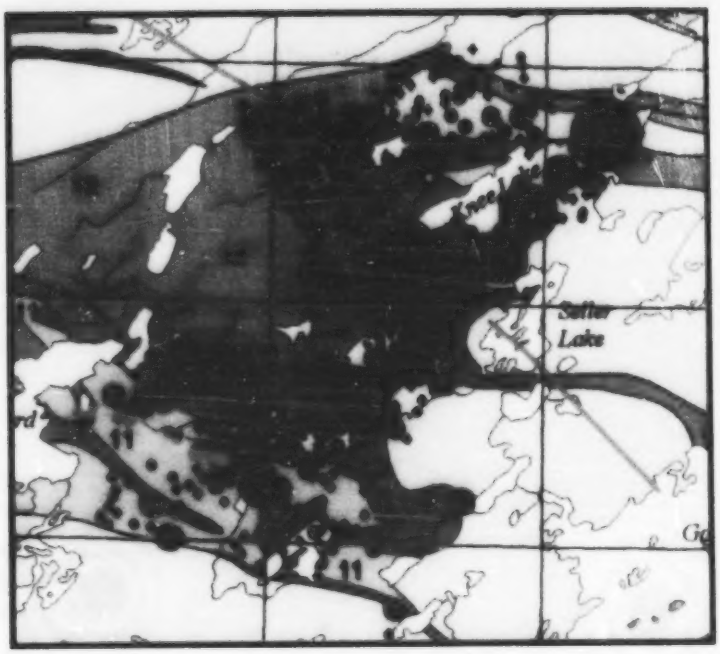
OPEN FILE REPORT

Operation Superior: Compilation of Kimberlite Indicator Mineral Survey Results (1996-2000)



By
M.A.F. Fedikow,
E. Nielsen,
G.G. Conley
and P.G. Lenton

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Operation Superior: Compilation of Kimberlite Indicator Mineral Survey Results (1996-2000)

by M.A.F. Fedikow, E. Nielsen, G.G. Conley and P.G. Lenton
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Industry, Trade and Mines

Hon. MaryAnn Mihychuk
Minister

Hugh Eliasson
Deputy Minister

Mineral Resources Division

C.A. Kaszycki
Assistant Deputy Minister

Geological Survey

E. Syme
Director

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INTRODUCTION

In 1996, the Manitoba Geological Services Branch (now the Manitoba Geological Survey) embarked upon a five-year program of helicopter- and fixed wing-assisted multimedia geochemical and mineralogical sampling. The program, called Operation Superior, was designed to assist in the definition of exploration targets and the assessment of mineral resource potential in the greenstone belts of the northern Superior Province using current and innovative technologies. Preliminary results for the areas surveyed in 1996, 1997, 1998 and 1999 were released in Fedikow and Nielsen (1997) and Fedikow et al. (1997a, b, 1998, 1999, 2000, 2001).

A unique opportunity to assess the diamond potential in the northern Superior Province of Manitoba was made possible with the cooperation of DeBeers Canada Exploration Inc. Eleven-litre pails of till collected at each sampling site were concentrated, mineralogically picked and analyzed by electron microprobe at DeBeers laboratories to provide mineral chemistry for classification purposes. Sample locations were withheld from DeBeers until release of the open file report to ensure security and equal opportunity for follow-up by all interested parties in the exploration community. This approach permitted diamond potential to be assessed throughout the 1996–2000 Operation Superior survey areas, an undertaking that under normal circumstances would have been too costly for the Manitoba Geological Survey.

This open file departs from the previous Operation Superior releases in that the results of kimberlite indicator-mineral (KIM) surveys are normally reported along with rock, a- and b-horizon soil, till and vegetation geochemical data. This report presents the results of KIM survey data acquired during the five year term of Operation Superior (Fig. 1). It is being released subsequent to Open File Report OF2001-5 (Fedikow et al., 2001), a report on the kimberlite indicator-mineral survey results from the final year (2000) of Operation Superior and in advance of the full multimedia geochemical database. Open File Report OF2001-5 and this report were prepared in response to the current record levels of diamond exploration activity in east-central Manitoba. At the time of writing, 21 companies had taken out a total of 68 permits covering 30 178 km^2.

QUATERNARY GEOLOGY OF THE OPERATION SUPERIOR KIMBERLITE INDICATOR MINERAL SURVEY AREA

Early glaciation

The northern Superior Province of Manitoba has been glaciated many times during the Quaternary, but evidence for all but the last glaciation is scant. The presence of erratics from central Keewatin, Hudson Bay and eastern Hudson Bay, as well as westerly, southwesterly and southeasterly striae, testify to a long and complex ice-flow history. However, depositional evidence for the early events indicated by southeasterly and westerly striae has not been forthcoming outside the Hudson Bay Lowland (the northeastern limit of esker development). Although these early ice-flow events are of some interest, they have little relevance to overburden geochemical and mineralogical exploration in most of the northern Superior Province.

Ice-flow history

The last ice advance to affect the northern Superior Province deposited a thin and almost continuous till sheet over much of the area. The southwesterly flowing ice, which originated in Hudson Bay to the north and east of the area, formed a large lobe centred on the northern Superior Province (Fig. 2). The ice lobe was bounded by the Limestone Moraine to the north, the Settee and The Pas moraines to the west and southwest, and the George Island Moraine to the south (Klassen, 1986; Nielsen and Thorleifson, 1996). Striae, drumlins, eskers and other ice-flow directional indicators are orientated toward the southwest (230–250°) along the longitudinal axis of the lobe, whereas toward the flanks of the lobe, the ice-flow directions fan out (Fig. 3). Along the northwestern flank of the lobe, such as in the Stephen's Lake–Split Lake area, the ice flow was toward 285°. Similarly, along the eastern flank of the lobe, such as in the Little Stull Lake area, ice flow was toward 170°.

Ameliorating climate conditions at the end of the Pleistocene resulted in the gradual northeast retreat of the ice margin, as indicated by a series of near-parallel moraines, including the Hargrave–Hudwin–Sachigo and Burntwood–Sipiwisk–Bigstone moraine systems (Klassen, 1986). Readjustment of the ice profile and ice-marginal configuration during glacial retreat resulted in small changes in the ice-flow trajectory, as indicated, in places, by crossing striae and minor, local ice-flow variations.

Till sheet

The last ice flow deposited an almost continuous sheet of calcareous till that was derived, in large part, from Paleozoic carbonate bedrock and previously deposited calcareous (glacial, various nonglacial and marine) sediments in Hudson Bay and adjacent Hudson Bay Lowland. The till sheet was deposited both as a veneer and as drumlins and drumlinoid ridges across the area.

The till veneer is generally only a few metres thick and more discontinuous than the drumlinized till. In places, it is interrupted by extensive bedrock outcroppings. The till veneer is common in the distal or more peripheral parts of the ice lobe where the carbonate content (indicative of Hudson Bay Lowland provenance) is the lowest in the region. The low carbonate content in the peripheral areas (Fig. 4) is believed to be due to dilution by local Precambrian rock types entrained during glacial transport across the intervening terrain from the Hudson Bay Lowland (Matile and Thorleifson, 1997).

The drumlinized till is most common in the proximal and central part of the ice lobe. The carbonate content is high, but not unlike that of the till veneer in the same region. The drumlinized till and till veneer are generally

not compositionally distinct and cannot be differentiated using carbonate content. The drumlins and drumlinoid ridges typically attain heights of 5–10 m and lengths in excess of a kilometre. The drumlins and drumlinoid ridges throughout the region are not exclusively composed of the same light buff, calcareous and silty till. In places, such as in the area east of Oxford House, they are composed of glaciofluvial sand and gravel (Fedikow et al., 2000). As well, at several sites between Knee Lake and Stupart Lake, they are composed of Sky Pilot till, a reddish silty till that is widely distributed across the Hudson Bay Lowland (Nielsen et al., 1986; Fedikow et al., in prep.). The variable internal composition, the long linear form and the internal structure all suggest that the drumlinoid shape is an erosional form, not related to the composition or provenance of the enclosing material (T. Brennan and H. Thorleifson, pers. comm., 2000).

Glaciolacustrine sediments

After deglaciation, glacial Lake Agassiz inundated the area. The inundation resulted in the deposition of an extensive blanket of fine-textured glaciolacustrine sediment over the previously deposited till sheet. Low-lying areas were filled with silt and clay deposits that pinch out along the flanks of the surrounding hills and prominent topographic highs, such as bedrock hills and esker ridges. Drumlins and drumlinoid ridges remained uncovered. The widespread deposits of glaciolacustrine silt and clay are the single largest detriment to till sampling from hand-dug pits. However, where the glaciolacustrine sediments can be penetrated in hand-dug pits (<1m), relatively unweathered till, which is desirable for geochemical analysis, may be obtained. On the other hand, till collected from topographic highs without a covering of glaciolacustrine silt and clay has generally been exposed to postglacial pedogenic processes. Near-surface weathering (oxidation and leaching) of the till is common at such sites.

The tops of prominent topographic highs were eroded during the general regression of glacial Lake Agassiz. When the water level dropped, hilltops became exposed to wave base, and boulder lags and washed bedrock surfaces formed as the till was eroded.

SURVEY METHODOLOGY

Bulk till samples were collected on approximately 1 km centres or as dictated by access to landing sites using a float-equipped helicopter (Bell Jet Ranger 206B). The procedure at each site was to establish, by way of hand augering, the location from which a till sample could be collected. Once appropriate material was located, a till pit was dug to a depth that was sufficient to retrieve a relatively unoxidized c-horizon till sample. Sample sites were plotted on airphotos while viewing the sites from the helicopter after sample collection.

DATA DISPLAY

Mineralogical data for samples collected between 1996 and 2000 are presented in table format with site identification, UTM coordinates (Zone 15, NAD83), mineral chemistry and indicator mineral counts. The variation in the numbers of KIMs identified in each sample is presented as bubble plots produced using ARCVIEW GIS software, digitized sample locations and analytical data.

Users will note that the simplified geology of the northern Superior Province is presented on the bubble plots. This geology was derived from a digital version of the 1:1 000 000 bedrock map of the province (Map 79-2) and the 1:250 000 Bedrock Geology Compilation Map Series. The UTM coordinates for sample sites are derived from 1:50 000 topographic maps.

KIMBERLITE INDICATOR MINERAL SURVEY, 1996–2000

Minerals such as garnet, chromite, ilmenite and diopside in glacial sediments have been used as kimberlite indicators. Specifically, the chemistry of these grains has been used to imply their mode of occurrence in diamonds as inclusions or in kimberlites (cf. Dawson and Stephens, 1975; Gurney, 1984). All recognized kimberlite indicator minerals are chemically stable in immature glacial sediments.

Garnets have received considerable attention as kimberlite indicators and have been chemically classified according to their relevance as kimberlite indicator minerals. Calcium-depleted diamond-inclusion chrome pyrope garnets have been termed G10 (Gurney, 1984; Dawson and Stephens, 1975). They indicate a harzburgitic peridotite origin and are more closely associated with diamonds than are the garnets of lherzolitic origin, which are termed G9. Eclogitic garnets, with an Na_2O concentration of greater than 0.09%, have been observed as inclusions in diamonds and are also therefore valuable indicator minerals.

Diamond-inclusion chromites with Cr_2O_3 greater than 60% are considered to be kimberlite indicator minerals, equal in significance to G10 garnets. They are interpreted to represent sampling of diamond-bearing zones in the mantle by kimberlite magmas. High-Mg ilmenites are interpreted to reflect the reduced conditions that are necessary for the preservation of diamonds as the magma ascends through the crust. Kimberlite-hosted ilmenite generally has MgO concentrations of 4 to 15 wt % and greater than 2% Cr_2O_3. Chrome diopside with greater than 1% Cr_2O_3 has proven to be a useful kimberlite indicator mineral (Morris et al., 1998).

Sample collection

An eleven-litre pail (20–25 kg) of glacial till was collected from each sampling site where appropriate material was encountered. These samples were shipped to DeBeers Canada Exploration Inc. at the end of each year's sampling program for processing. A small number of modern beach sands were also collected for analysis.

Sample preparation and analysis

The following paraphrased description of sample preparation and analysis was supplied by DeBeers Canada Exploration Inc.

The eleven-litre samples were screened at 2.0 mm, with the oversize discarded except for a representative aliquot of the +2.0 to 5.6 mm fraction, which is used for pebble counts. The <2.0 mm size fraction was passed over a 0.3 mm aperture sieve and the <0.3 mm size fraction was discarded. The 0.3 mm to 2.0 mm size fraction was then concentrated by gravity separation, dried in ovens and sieved into 1.0 to 2.0 mm, 0.5 to 1.0 mm and 0.3 to 0.5 mm size fractions, which were packaged, labelled and shipped to DeBeers Canada Exploration inc. laboratories for further treatment.

The three size fractions were individually separated using the heavy liquid bromoform (specific gravity 2.86). The heavy minerals that sank through the bromoform were washed, sorted and picked for kimberlitic indicator minerals. Picked indicator minerals were then analyzed for geochemical composition by electron microprobe.

Preliminary interpretation of the 2000 kimberlite indicator mineral survey

The locations of KIM surveys for each year of Operation Superior are given in Figure 1. Figure 2 portrays drumlin and esker orientation in the northern Superior Province. Field boundaries for garnets and chrome spinel discriminant diagrams are from Gurney (1984; Fig. 5) and Fipke et al. (1995; Fig. 6, 7), respectively. Figure 8, a diagram depicting the parabolic relationship between Cr_2O_3 and MgO in ilmenite, is derived from the work of Haggerty (1975). Haggerty and Tompkins (1983) recognized the value of ilmenite compositions in determining the redox state of the earth's mantle, and Gurney and Moore (1993) illustrated the potential for predicting diamond preservation in a kimberlite on the basis of ilmenite composition. Figures 9 through 14 are bubble plots that give the abundances of KIMs in an eleven-litre pail from each sampling site. Figure 15 presents total KIMs for the survey area.

Guidelines for mineral identification (Thorleifson et al., 1994) are presented in tables 1 and 2. Table 3 summarizes KIM abundances for the Operation Superior survey area. It also includes a subset of KIM data for the Echimamish River (1996) and the northern (2000) and southern (1999) portions of the Knee Lake greenstone belt.

The chemistry of KIMs analyzed by microprobe and classified for this survey is presented in Appendix 1, and KIM abundances by sample site are listed in Appendix 2.

RESULTS

Figures 9 through 14 are bubble plots for individual kimberlite indicator minerals throughout the 2000 survey area, whereas Figure 15 summarizes total KIM abundances. These plots represent KIMs from the combined 1.0 to 2.0 mm, 0.5 to 1.0 mm and 0.3 to 0.5 mm size fractions of the sample.

A total of 1162 KIMs were recovered from 1096 samples during Operation Superior. The highest concentrations of KIMs were found in the Knee Lake belt and at a site along the Echimamish River belt southwest of Lawford Lake. Comparatively, the Echimamish River site has significantly fewer KIMs than the Knee Lake belt. A total of 37 KIM grains were recovered from 10 samples collected at the Echimamish River site, as compared to 835 KIM grains in the Knee Lake belt.

The presence of alteration rims or original surface textures on the surface of KIMs, including kelyphite and perovskite mantles on ilmenite and original surface remnants on chrome diopside grains, can be used to infer transport distances. A total of five Cr-diopside grains with original surface remnants were observed in the 1998 KIM survey. Three of these grains occur in the Knife Lake belt (sites 95, 110 and 118) and two in the Echimamish River belt (sites 39 and 192). These features were not observed on any other KIM grains during Operation Superior. The absence of surface remnants on KIM grains from glaciofluvial or modern beach sands is not unexpected. These sample types are derived from till and have been extensively or, in the case of modern beach sands, continually reworked in an active erosional environment.

The distribution and abundances of individual KIMs throughout the Operation Superior project area are discussed below. The specifics for KIM abundances in the Knee Lake and Echimamish River belt are discussed separately and compared to the total KIM abundances in the Operation Superior survey area in Table 3.

Cr-spinel (Figure 9)

A total of 445 Cr-spinel grains were documented during the 1996–2000 KIM survey. Cr-spinel is the second most abundant KIM identified. The majority of Cr-spinel grains are concentrated in samples from the Knee Lake belt, primarily in the northern half of the belt. This includes one of two diamond-inclusion spinels documented during Operation Superior. The second diamond-inclusion spinel occurs southeast of Max Lake in a position that is down-ice from the KIM trend identified in the Knee Lake belt. A single site with seven Cr-spinel grains occurs east of Beaverhill Lake.

Cr-diopside (Figure 10)

Multiple sites with a single Cr-diopside grain occur throughout the Operation Superior survey area. A site with two Cr-diopside grains occurs south of the Colen Lakes, the Echimamish River site had one grain, and six sites in the Knee Lake belt had one grain each. Chrome diopside grains are absent from the drumlinized terrain in the northwest portion of the Knee Lake belt. Twenty-six Cr-diopside grains were recovered from the 1996–2000 survey.

Ti-Cr pyrope (Figure 11)

Low abundances of Ti-Cr pyrope grains are observed throughout the Operation Superior survey area. Sixty grains were identified in samples collected during

Operation Superior, with over half of these occurring in the Knee Lake belt. The majority occur in nondrumlinized terrain in the northeast portion of the belt. Only two grains were identified from samples collected from drumlins. The distribution of the Ti-Cr pyrope grains in the Knee Lake belt approximates the last ice advance at 235°, although this result is skewed by the areal extent and down-ice orientation of the belt.

G9 garnets (Figure 12)

A total of 155 G9 garnets were recovered from the Operation Superior survey. The majority of these grains occur in nondrumlinized terrain in the northern portion of the Knee Lake belt. A total of six grains was found in samples from the Echimamish River site. Elsewhere, the grains are distributed throughout the area of the greenstone belts without obvious clusters.

G10 garnets (Figure 13)

Most G10 garnets were identified from samples collected in nondrumlinized terrain in the northern portion of the Knee Lake belt. Two G10 garnets occur in samples from drumlinized terrain at Knee Lake. Only seven G10 garnet grains were identified outside of the Knee Lake area and these are scattered across the Operation Superior survey area. There is only one site, a beach sand sample from northern Knee Lake, that contains more than one G10 garnet grain. A single G10 garnet grain occurs east of the dispersion trend identified at the Echimamish River site. Twenty-eight G10 garnets were documented during Operation Superior.

Mg-ilmenite (Figure 14)

Magnesian ilmenite grains were the most abundant KIM identified during Operation Superior (n=446). These KIMs are concentrated in samples from the Knee Lake belt, including those from both drumlinized and nondrumlinized terrain. A second cluster of 22 grains occurs in the Echimamish River area. Magnesian ilmenite occurs primarily as one to two grains at most sites throughout the Operation Superior survey area. An eight-grain cluster from five sample sites occurs west of Kistigan Lake.

Total kimberlite indicator minerals (Figure 15)

The distribution of total KIMs in the Operation Superior survey area shows that the highest concentration of KIMs occurs in the Knee Lake greenstone belt. A total of 1162 KIM grains were identified during Operation Superior, with 69% of these occurring in the Knee Lake belt. The Echimamish River site is marked by 37 KIMs and is the only other KIM dispersion trend present in the 1996–2000 survey data. Total KIMs in the Knee Lake belt and at the Echimamish River site define apparent KIM trends that parallel the last ice advance at approximately 235°. Constraints on this observation are discussed in the next section.

DISCUSSION

Kimberlite indicator minerals in the Knee Lake greenstone belt

There are relatively few sites in the Operation Superior survey area that are marked by large numbers of KIMs. Figures 9 through 15 and Table 3 indicate significantly elevated KIM abundances in samples collected from the Knee Lake greenstone belt and from one site in the Echimamish River belt that define a trend parallel to the last ice advance. High KIM abundances in samples from the Knee Lake belt include sites 21, 32, 68, 103, 150, 166 and 175 in the northern half of the belt. It is important to note that sites 21, 32, 103, 150 and 175 are beach sands, whereas sites 68 and 166 are till samples. In the southern half of the belt, site 104 (till) contains 30 KIM grains. The sample at site 104 was collected on strongly foliated gabbro bedrock. The eight sites mentioned above contribute significantly to the apparent KIM trend oriented at 235°.

A preliminary inspection would suggest a KIM dispersal trend aligned parallel to the direction of the last ice advance at approximately 235°. More detailed examination of the data, however, suggests that this dispersal trend is not well defined. Some constraints on the interpretation and significance of this trend should be noted:

1) Kimberlite indicator mineral surveys, like the multimedia geochemical surveys, were confined to the mapped boundaries of greenstone belts and not undertaken in intervening areas of intrusive rocks. This approach significantly restricted the ability to define KIM dispersion trains in most areas. As a result, the eastern edge of the Knee Lake dispersal pattern is not defined due to a lack of sampling sites.

2) The western edge of the trend in the northern half of the belt coincides with a change in till thickness and geomorphology, specifically a transition from drumlinized till in the western part of the study area to nondrumlinized till in the east. The apparent control of KIM abundances in drumlinized versus nondrumlinized till was discussed in Fedikow et al. (1999) for the southern half of this belt. Variations in till composition associated with drumlinized terrain have also been observed in the Geraldton area of Ontario (Thorleifson and Kristjansson, 1993), where drumlinized till exhibits a higher concentration of far travelled carbonate debris that dilutes the signature of local bedrock and results in lower KIM abundances. If this same relationship holds true in the Knee Lake area, the dispersal trend could also be open to the west. Low concentrations of KIMs in this area could simply reflect a change in till composition rather than the edge of a dispersal fan.

3) Many of the samples containing the highest concentrations of KIMs within the dispersal trend were collected from modern beaches along the northeast arm of Knee Lake. Natural concentration of heavy minerals in beach sands acts to preconcentrate KIMs, resulting in higher abundances in beach sands than in till samples from the same area (Table 3). The orientation and areal extent of the greenstone belt served to focus sampling

locations along the northeast arm of the lake. The northern portion of the belt trends parallel to the last ice advance and has therefore exaggerated the apparent trend of KIM distribution in the same direction.

It should be noted that the 'beach' sands from Knee Lake are not stream-sediment samples and are deposited in a distinctive manner. Knee Lake occupies a basin and any coarse material, such as sand, that is brought into the lake is deposited where the river enters the lake. Sand is not transported by longshore drift around the shores of the lake and out via the Hayes River. The beaches sampled in the northern half of Knee Lake are 'pocket beaches' that have developed locally from the erosion of till (or sometimes eskers) at that site. When tills erode to produce sand, the material is carried out into deep water along the shore of the lake. If there was longshore transport, there would have to be sandy beaches along the entire southeast shore, a feature that is not observed at Knee Lake. The observation that some beaches on Knee Lake do not contain any KIMs supports the contention that KIMs in beach sands at Knee Lake are likely derived from nearby till.

Beach-sand samples generally have higher percentages of heavy minerals than the till from which they were derived. This may result in a disproportionately higher number of indicator minerals for beach-sand samples compared to till samples from the same area.

Kimberlite indicator minerals in the Echimamish River greenstone belt

A moderately well defined KIM dispersal trend has been documented in an area designated as the Echimamish River site. This trend is associated with a serpentinized ultramafic unit that was observed in outcrop and in one till pit at this site. The dispersion trend is characterized by twenty-three Mg-ilmenite grains, five Cr-spinel grains, five G9 garnets, two Ti-Cr pyrope garnets and one Cr-diopside grain. A single G10 garnet occurs in a sample collected east of this dispersal trend. The trend parallels the last ice advance at approximately 235° but is not well defined due to the limited sampling east and west along the Echimamish River greenstone belt. There are no sample sites north of the belt and it is therefore uncertain whether the dispersal trend reflects the ultramafic unit that outcrops at the northern edge of the belt.

CONCLUSIONS

1) Kimberlite indicator mineral (KIM) abundances are generally low in the greenstone belts sampled during Operation Superior. This is partly a function of restricting sample collection to the limits of greenstone belts. Nevertheless, two distinctive areas of elevated KIM abundances and dispersion trends occur in the Knee Lake and Echimamish River greenstone belts.

2) Two southwest-trending dispersal patterns parallel to the last ice advance (at approximately 235°), have been identified in the Knee Lake greenstone belt and from one site in the Echimamish River belt. The Knee Lake trend represents a northern extension of the trend identified in the 1999 survey (Fedikow et al., 2000) for the southern Knee Lake area.

3) The dispersal trend identified in the northern portion of the Knee Lake belt in 2000 is based upon a significantly higher number of KIMs than the one identified previously in the southern portion of the belt. However, five of the seven sites with the highest KIM abundances are beach sands collected along the northeast arm of Knee Lake, which itself trends parallel to ice flow. This may have exaggerated the apparent trend of KIM distribution in this direction. A till sample collected over strongly foliated gabbro bedrock in the southern portion of the Knee Lake belt contained 30 KIMs.

4) The eastern boundary of the Knee Lake KIM trend is approximate due to a lack of samples in this area.

5) The western edge of the Knee Lake trend coincides with a change in geomorphology, specifically a transition from drumlinized till in the western part of the study area to nondrumlinized till in the east. The heavily drumlinized terrain to the northwest is characterized by very few KIMs, which could reflect a difference in till thickness rather than the western edge of the dispersal trend. Nondrumlinized (thin) till, on the basis of significantly elevated numbers of KIMs, represents the preferred sampling medium for diamond exploration in this area.

6) The KIM trend in the Echimamish River belt is based on a smaller number of KIMs and is open to the northeast and southwest. Like the Knee Lake trend, it also parallels the last ice advance at 235°. A line of till samples extending west from the west end of Lawford Lake and analyzed for KIM contents could help to determine whether 1) this trend is related to the ultramafic intrusion identified during sampling or 2) the source region occurs elsewhere.

7) The absence of original surface remnants on the majority of KIM grains suggests some distance of glacial transport and therefore a KIM source northeast of the survey area in the Knee Lake belt and possibly the Echimamish River greenstone belt.

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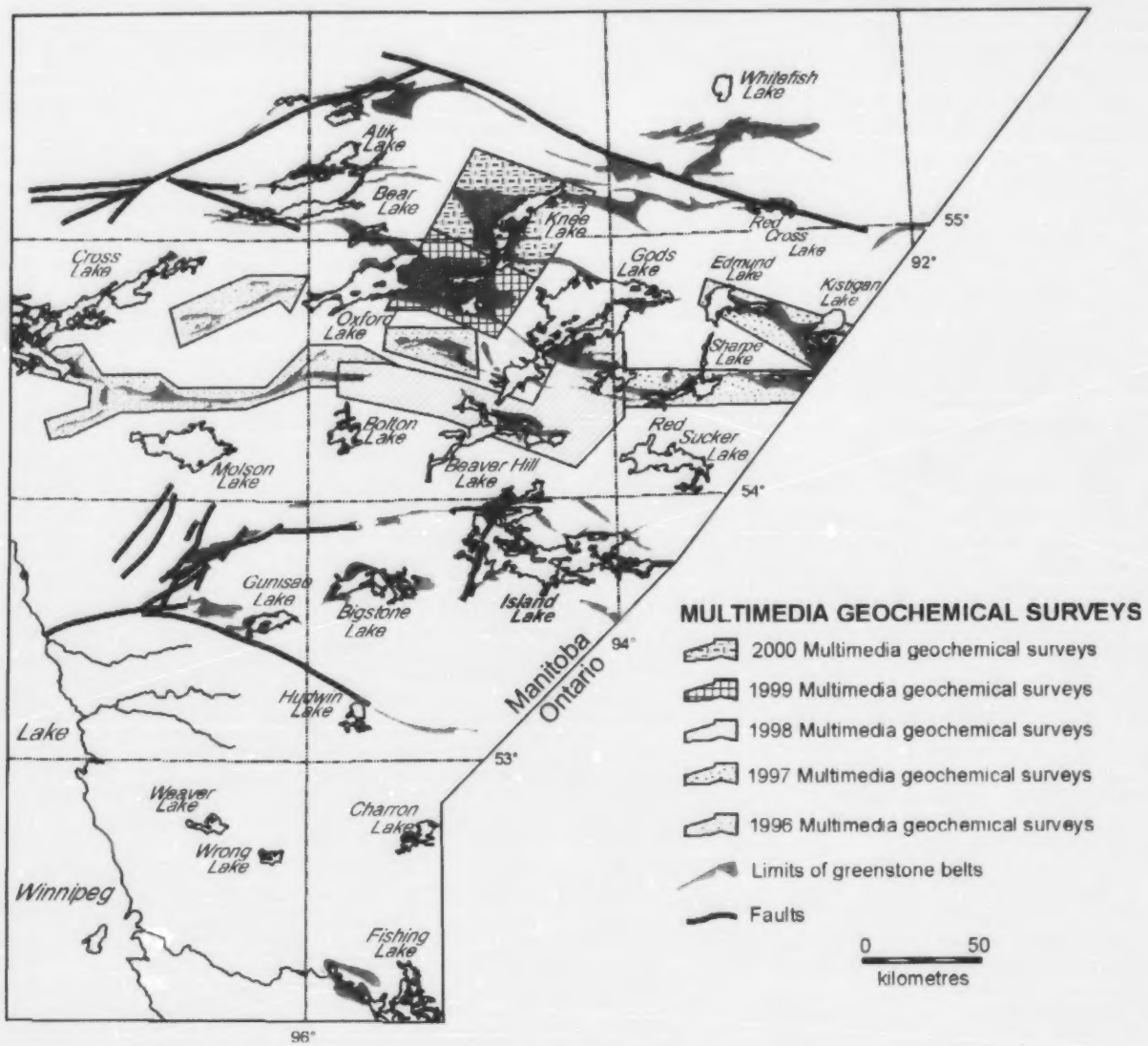


Figure 1: Location map for Operation Superior kimberlite indicator mineral surveys, 1996–2000.

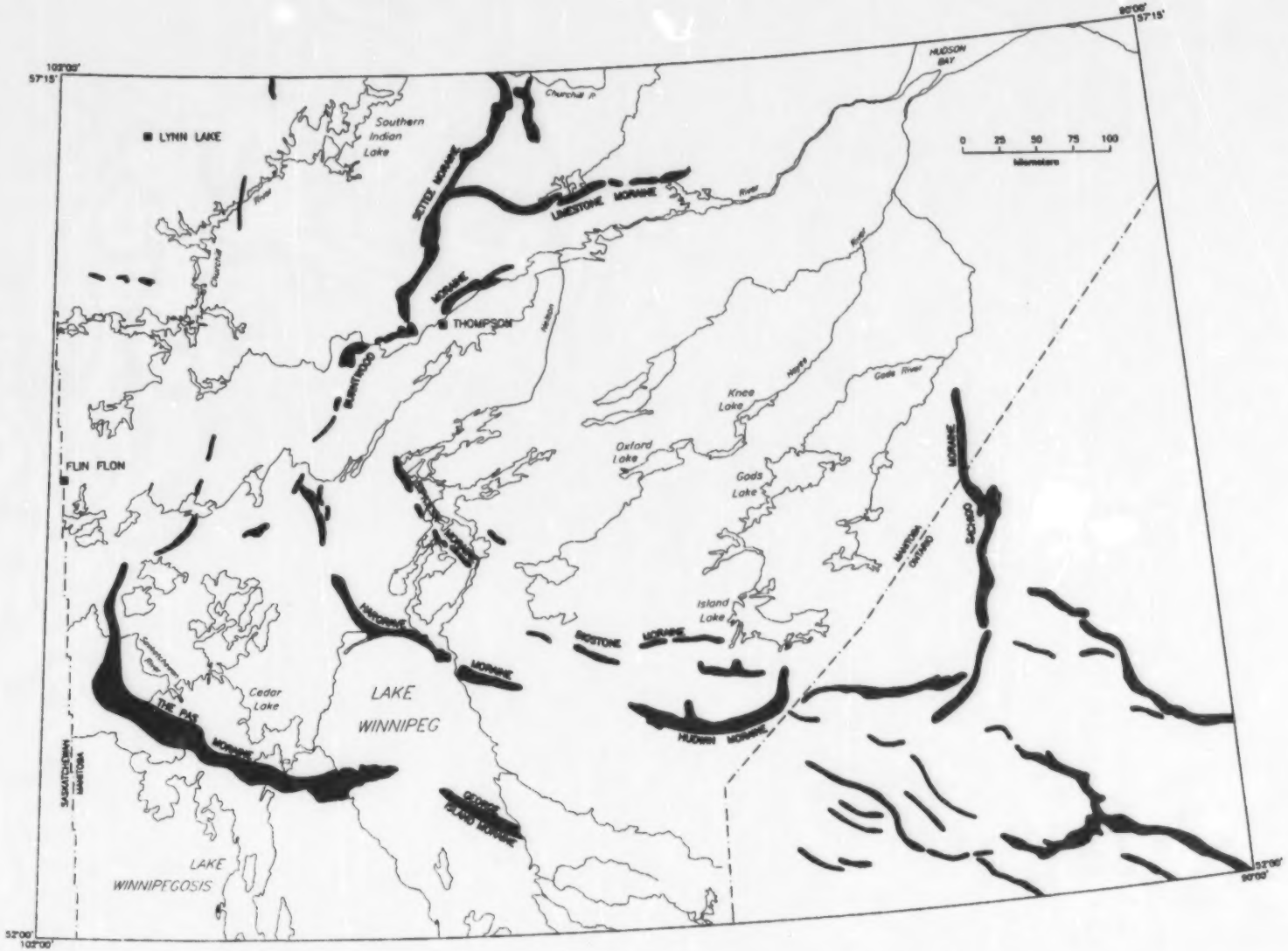


Figure 2: Major moraines in northeastern Manitoba.

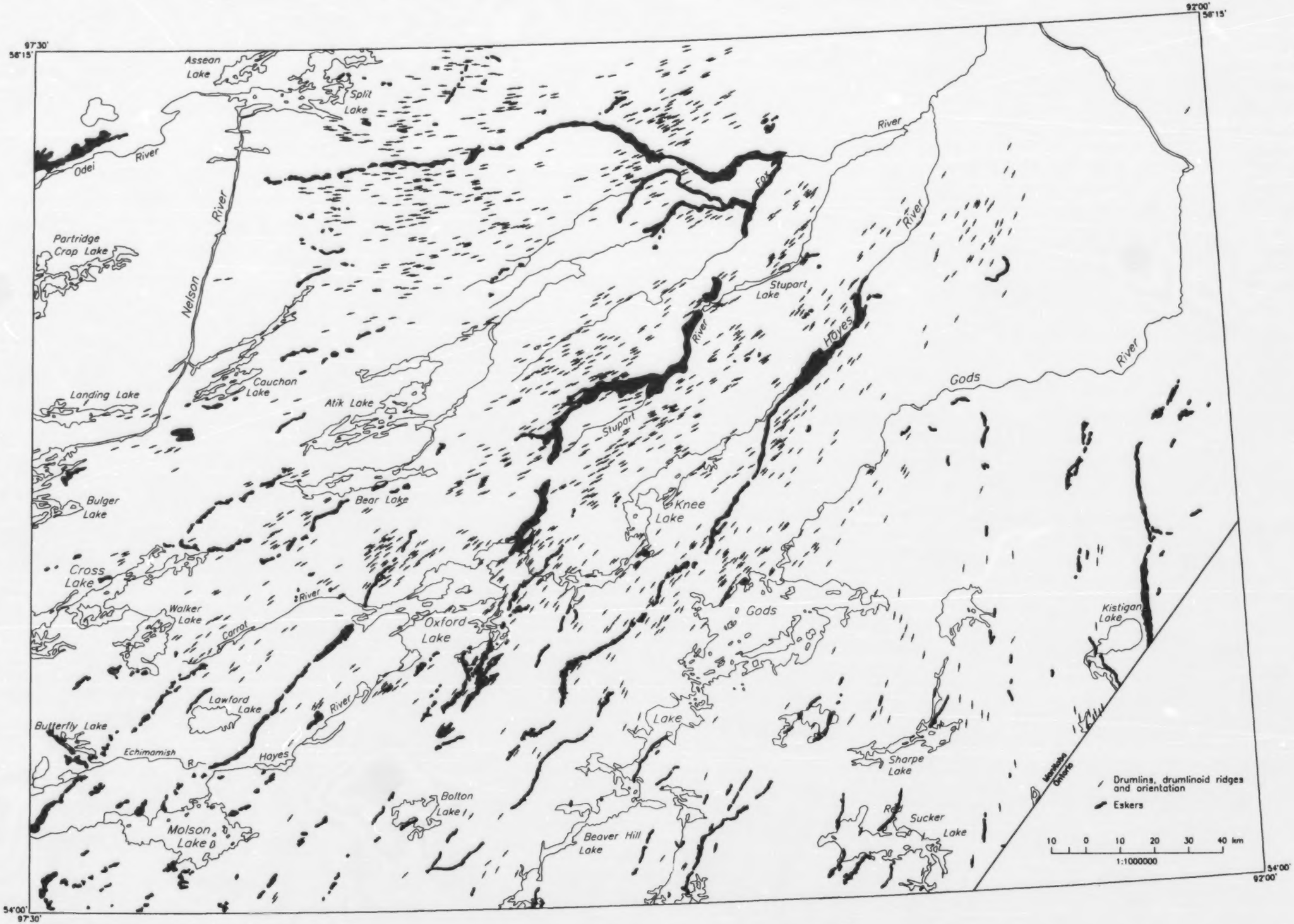


Figure 3: Drumlin and esker orientations in the Northern Superior Province.

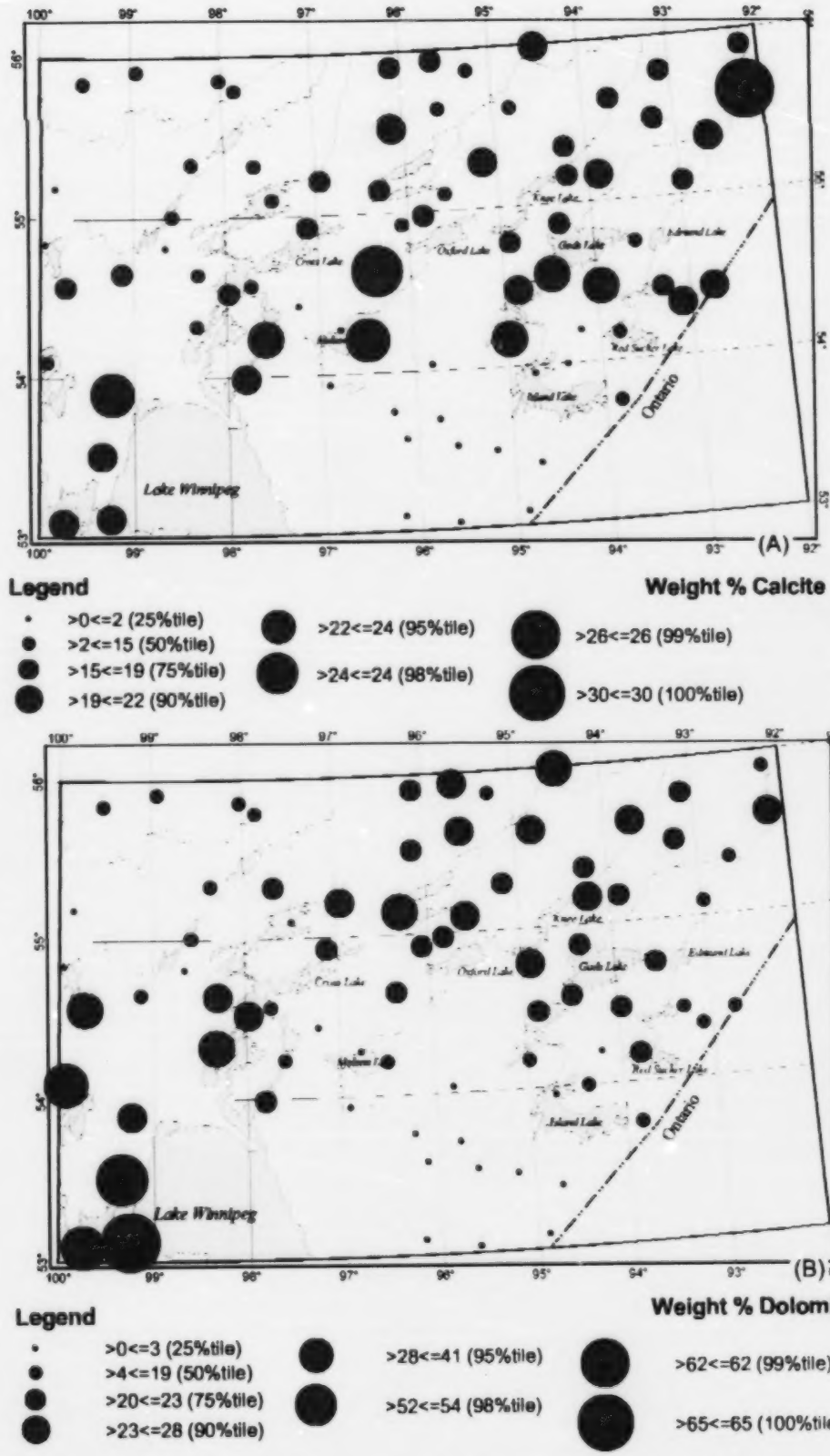


Figure 4: Weight percent calcite (A) and dolomite (B) in tills in the northern Superior Province (from Matile and Thorleifson, 1997)

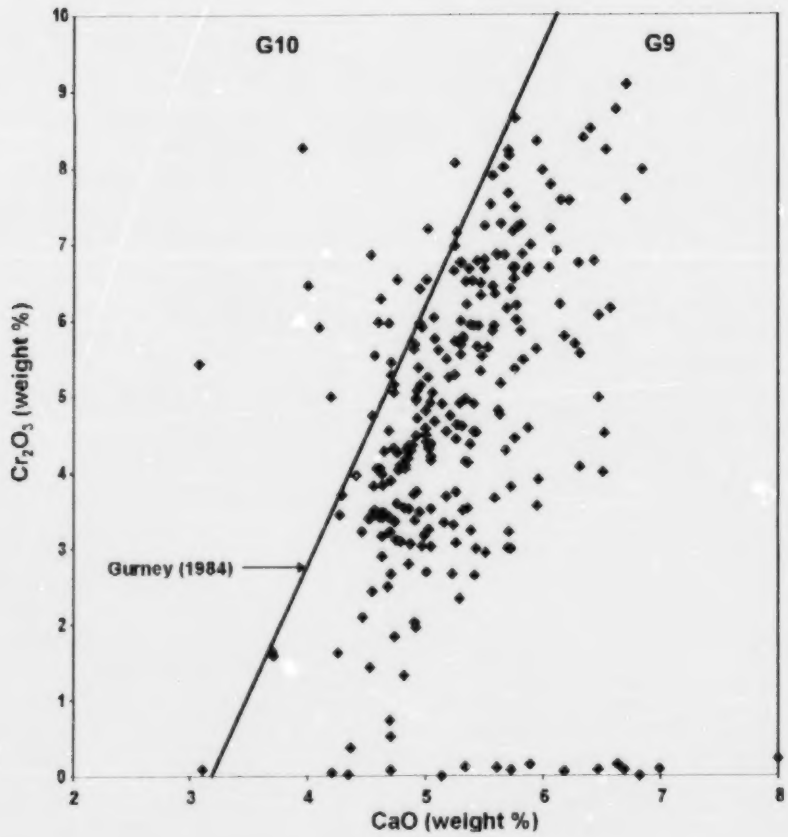


Figure 5: Cr_2O_3 vs. CaO discriminant diagram for 'G9' and 'G10' garnets, 1996–2000.

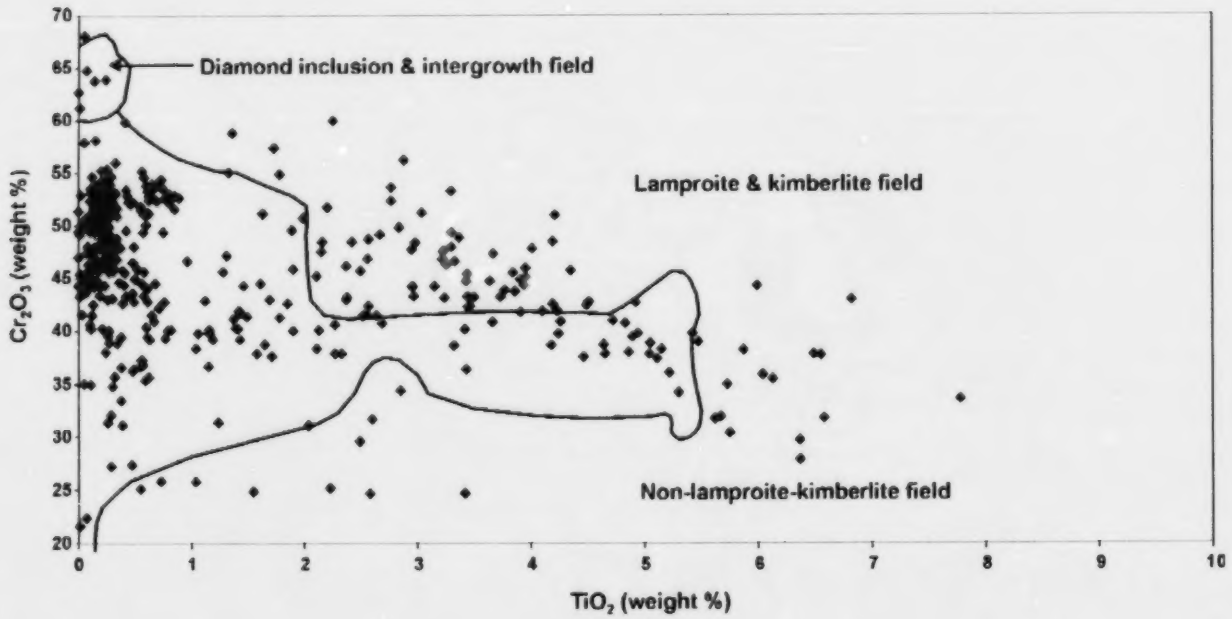


Figure 6: Cr_2O_3 vs. TiO_2 discriminant diagram for diamond inclusion, lamproite and kimberlite spinels, 1996–2000.

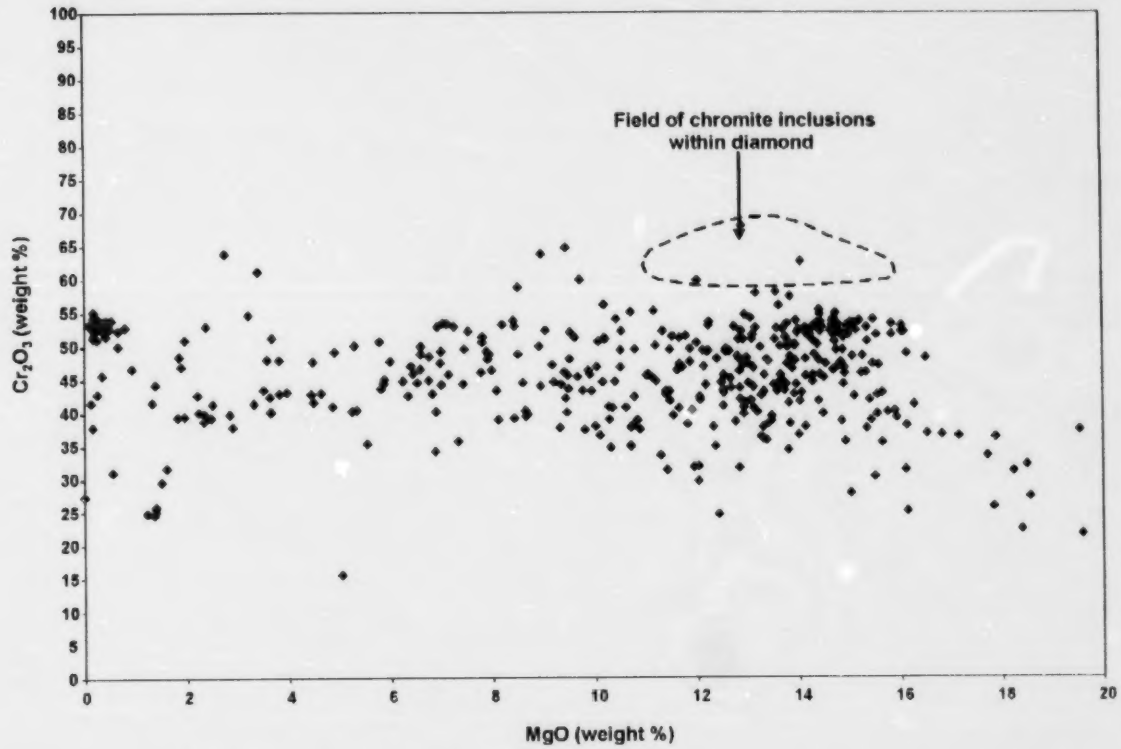


Figure 7: Cr_2O_3 vs. MgO discriminant diagram for diamond inclusion spinels, 1996–2000.

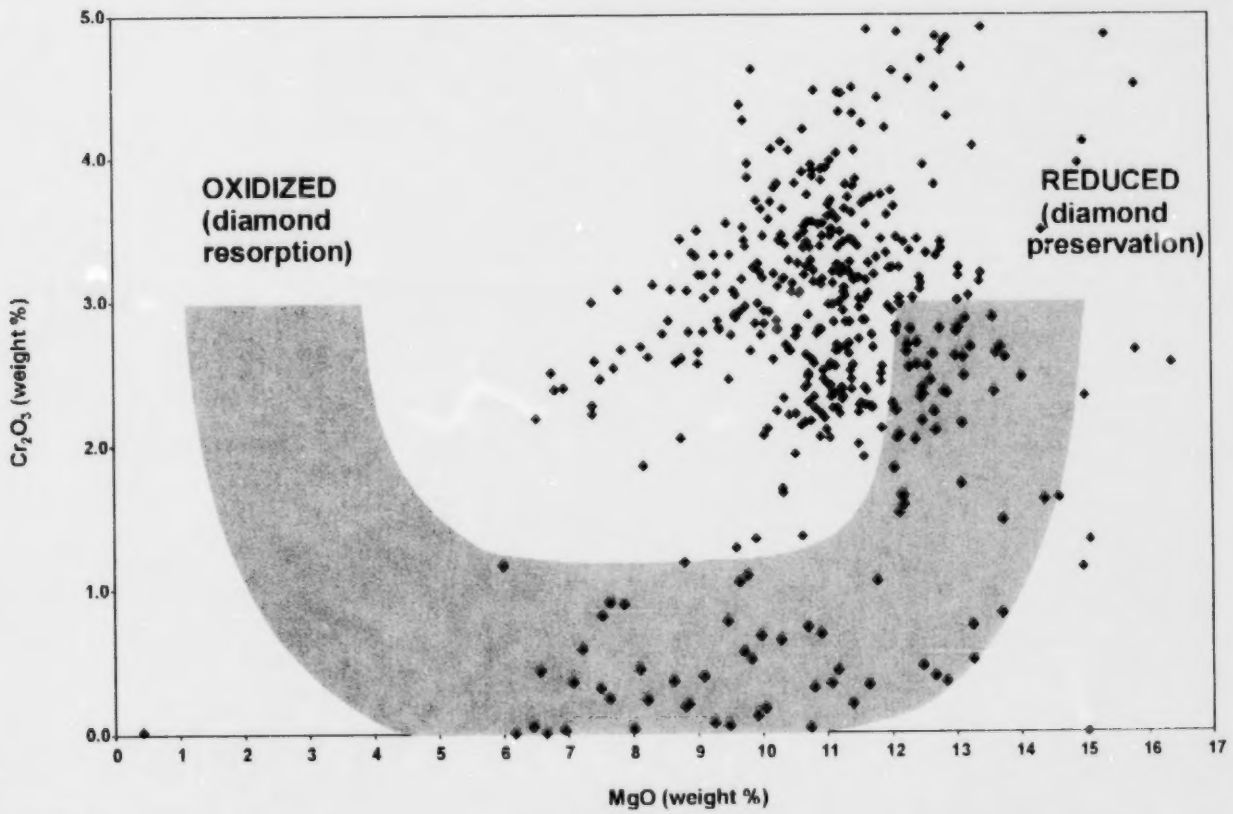
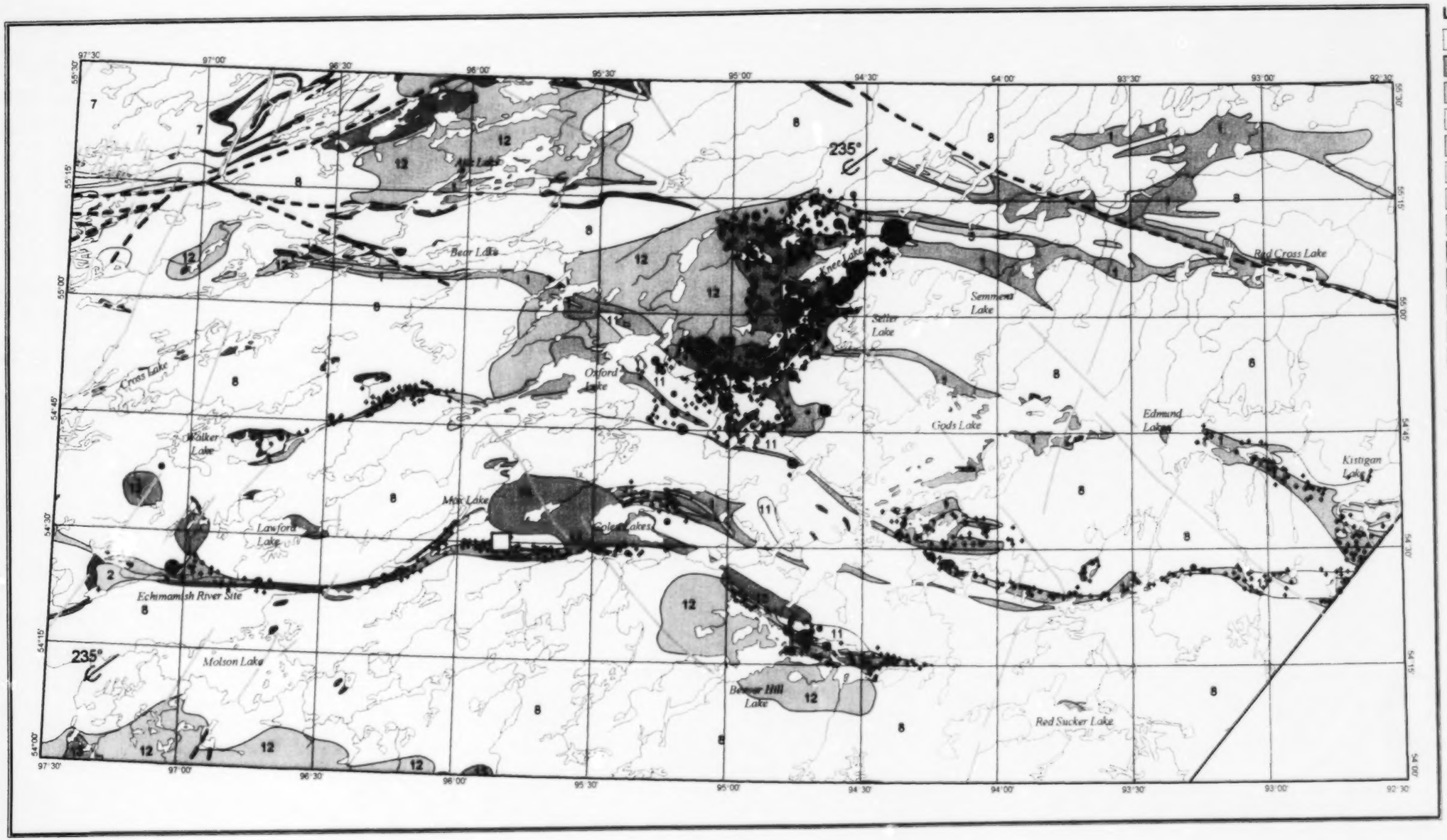


Figure 8: Cr_2O_3 vs. MgO parabolic discriminant diagram for ilmenite, 1996–2000.



Legend

- 15 Migmatitic gneiss
- 13 Granite
- 12 Granodiorite
- 11 Arkose
- 10 Fragmental volcanic rocks
- 8 Tonalite
- 7 Felsic granulite
- 6 Metasedimentary gneiss
- Amphibolite
- Gabbro
- 3 Greywacke
- 2 Felsic volcanic rocks
- 1 Mafic volcanic rocks
- Dykes
- Faults
- Glacial striae

Cr Spinel

- Sampled site
- 1
- 2
- 3
- 4
- 5
- 7
- 10
- 11
- 12
- 29
- 63

Diamond Inclusion Cr Spinel

- 1

Figure 9. Regional distribution of Cr-spinel grains, Operation Superior, 1996-2000.

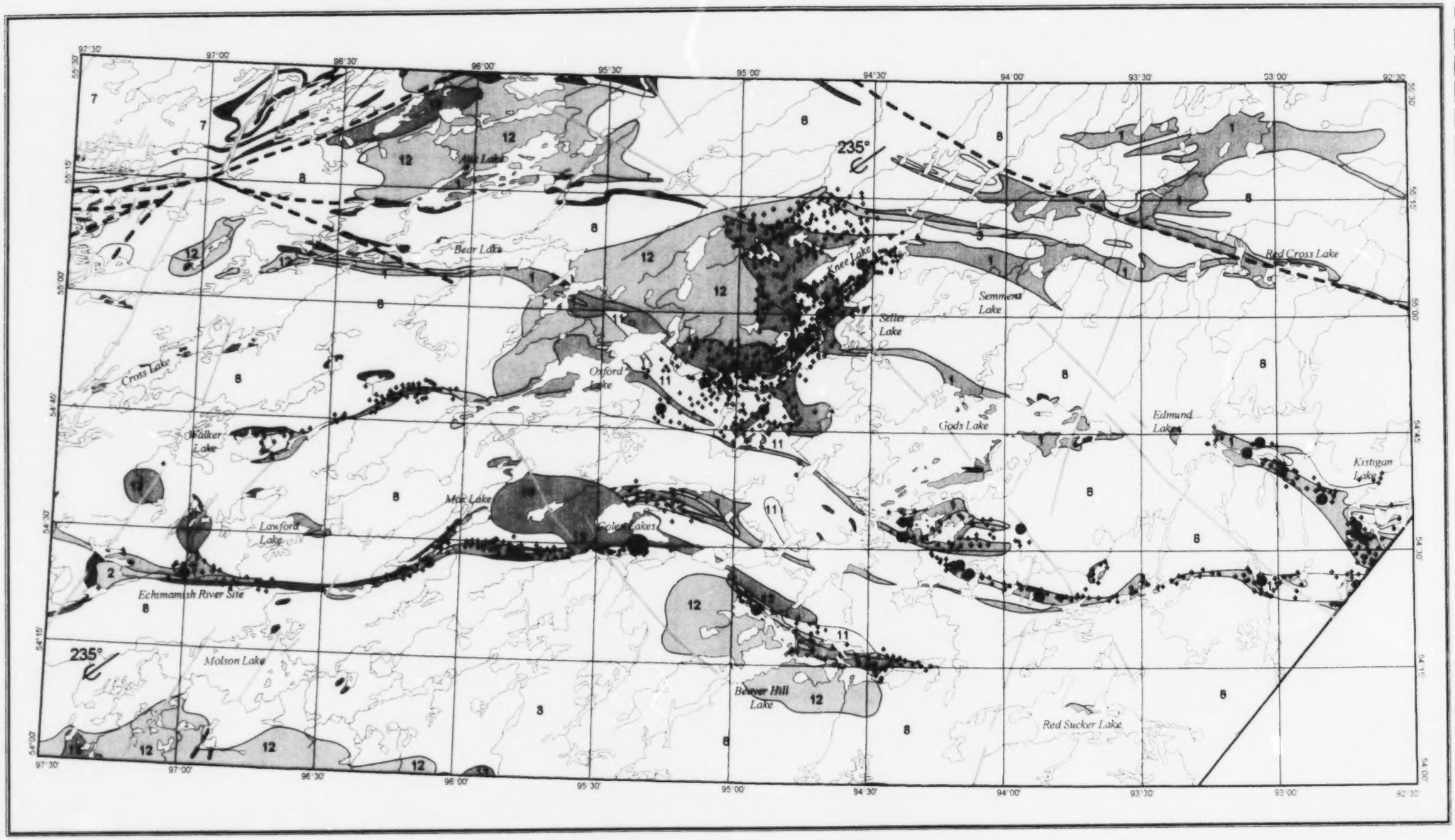
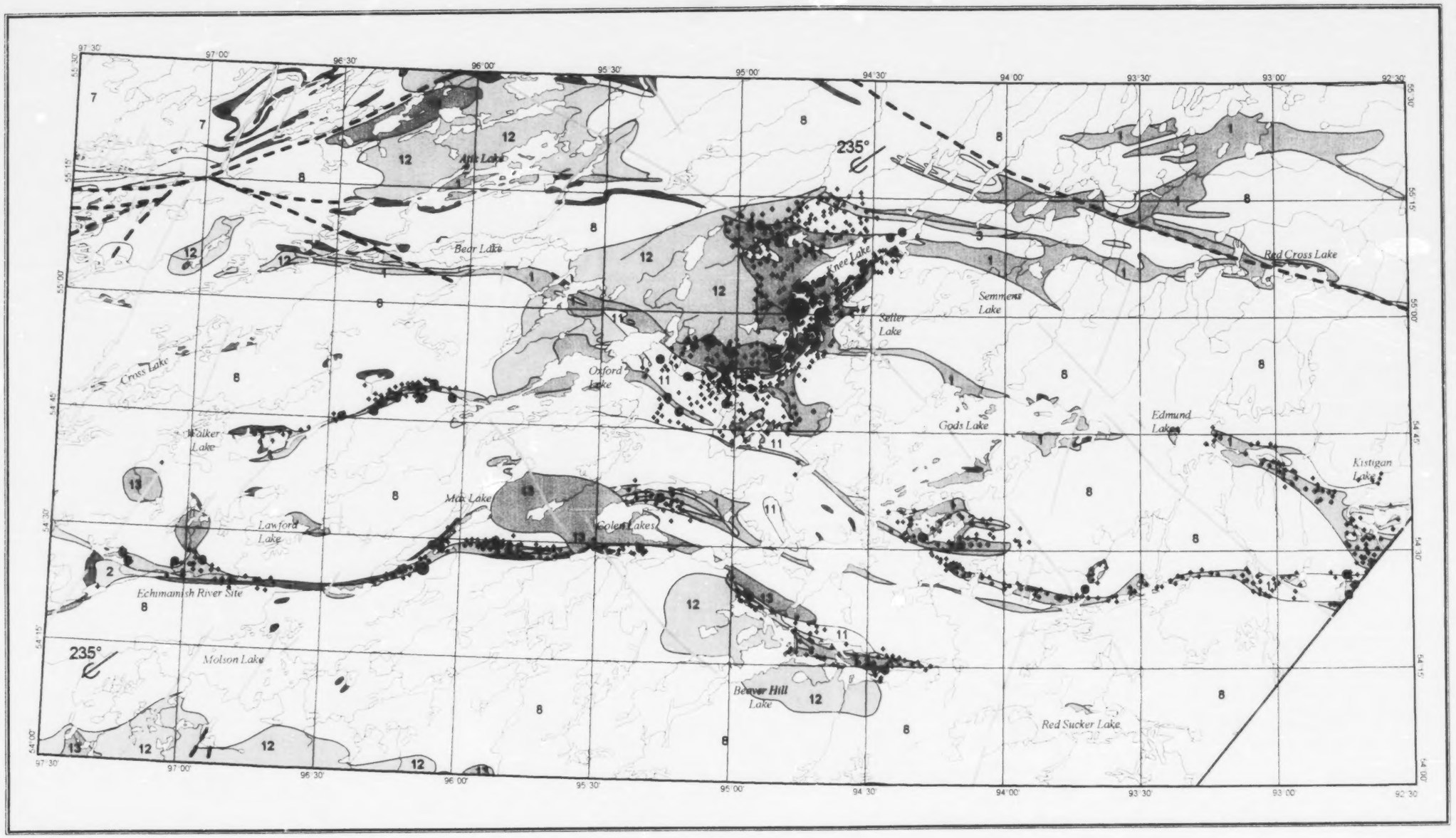


Figure 10. Regional distribution of Cr-diopside grains, Operation Superior, 1996-2000.



Legend

- 15 Migmatitic gneiss
- 13 Granite
- 12 Granodiorite
- 11 Arkose
- 10 Fragmental volcanic rocks
- 8 Tonalite
- 7 Felsic granulite
- 6 Metasedimentary gneiss
- Amphibolite
- Gabbro
- 3 Greywacke
- 2 Felsic volcanic rocks
- 1 Mafic volcanic rocks

Dykes

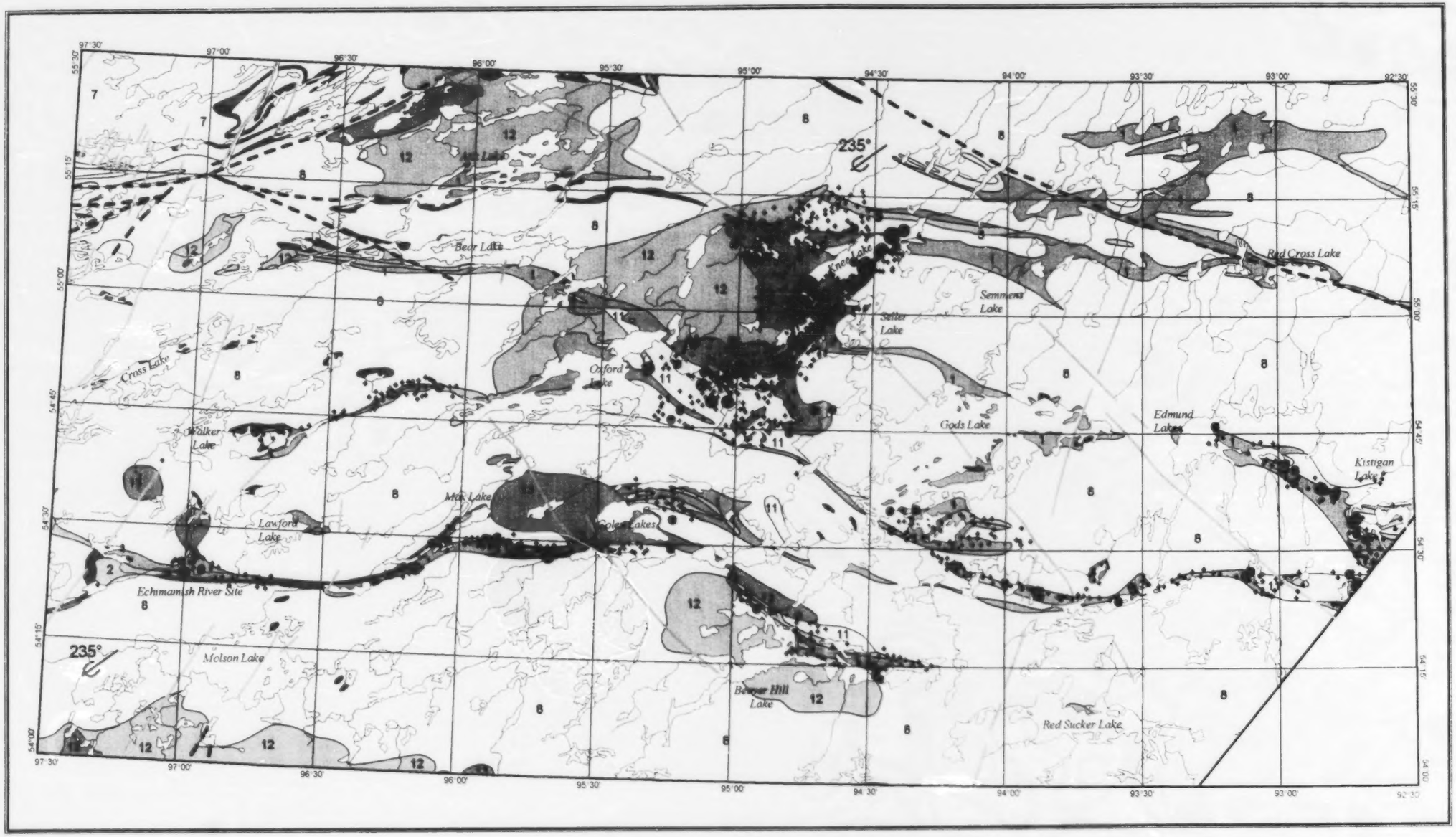
Faults

Glacial striae

Ti Cr pyrope grains

- Sampled site
- 1
- 2
- 5

Figure 11. Regional distribution of Ti-Cr pyrope garnet grains, Operation Superior, 1996-2000.



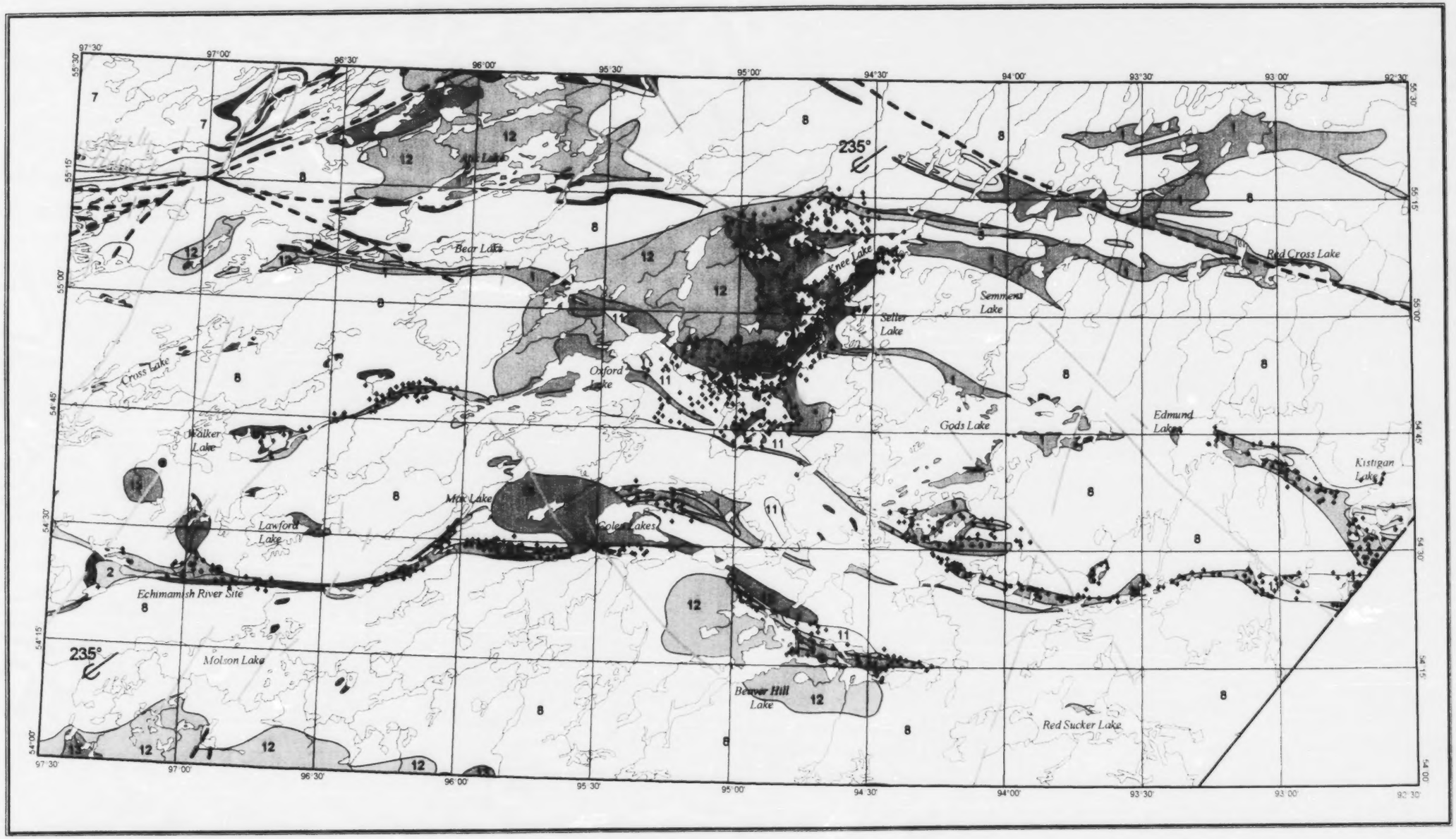
Legend

- 15 Migmatitic gneiss
- Granite
- 12 Granodiorite
- 11 Arkose
- 10 Fragmental volcanic rocks
- 8 Tonalite
- 7 Felsic granulite
- 6 Metasedimentary gneiss
- Amphibolite
- Gabbro
- 3 Greywacke
- 2 Felsic volcanic rocks
- 1 Mafic volcanic rocks
- Dykes
- Faults
- Glacial striae

G9 grains

- Sampled site
- 1
- 2
- 3
- 5
- 14

Figure 12. Regional distribution of "G9" garnet grains, Operation Superior, 1996-2000.



Legend

15	Migmatitic gneiss
13	Granite
12	Granodiorite
11	Arkose
10	Fragmental volcanic rocks
8	Tonalite
7	Felsic granulite
6	Metasedimentary gneiss
	Amphibolite
	Gabbro
3	Greywacke
2	Felsic volcanic rocks
1	Mafic volcanic rocks

Dykes
Faults
Glacial striae

G10 grains

Sampled site
1
2

Figure 13. Regional distribution of "G10" garnet grains, Operation Superior, 1996-2000.

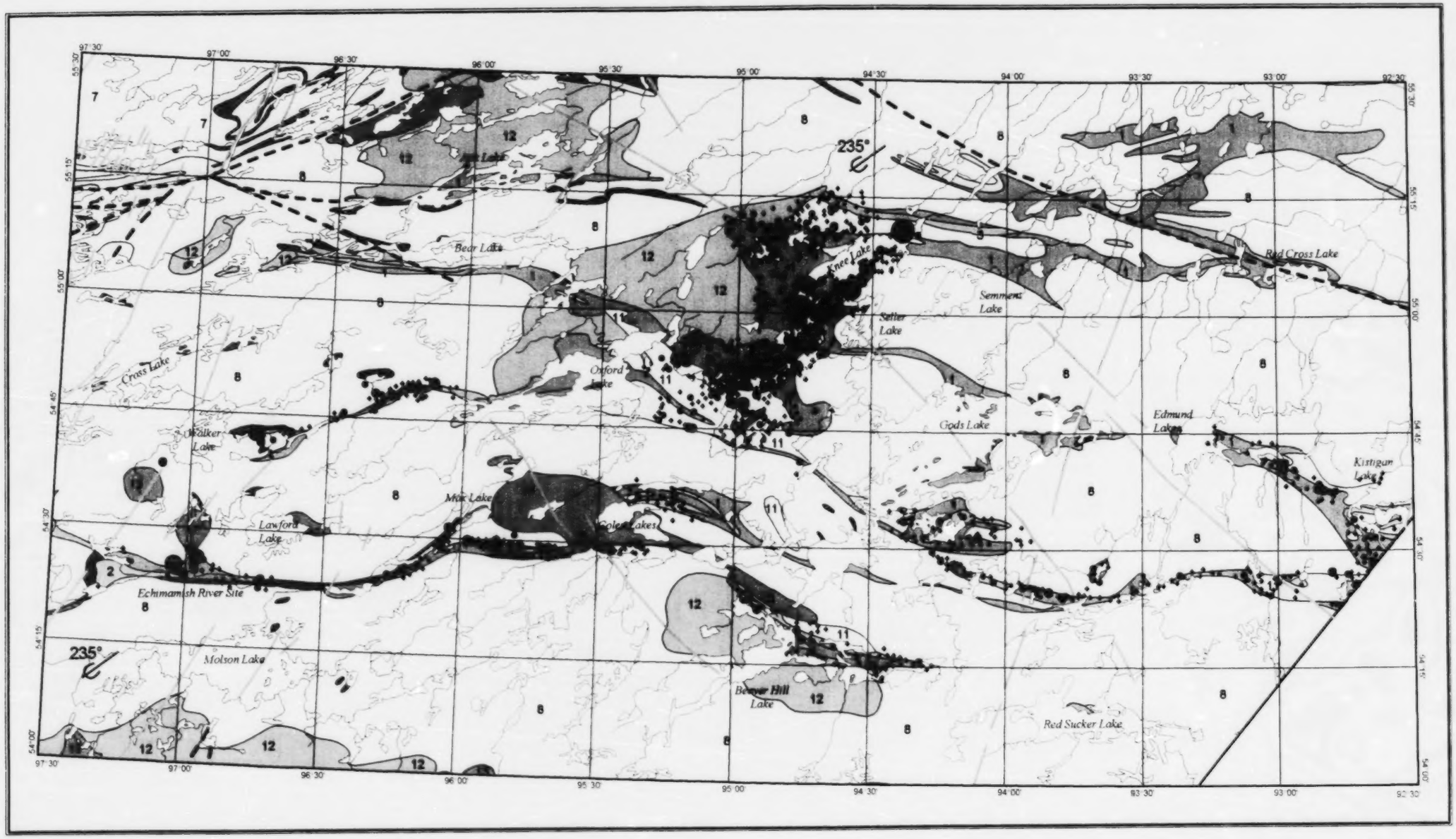
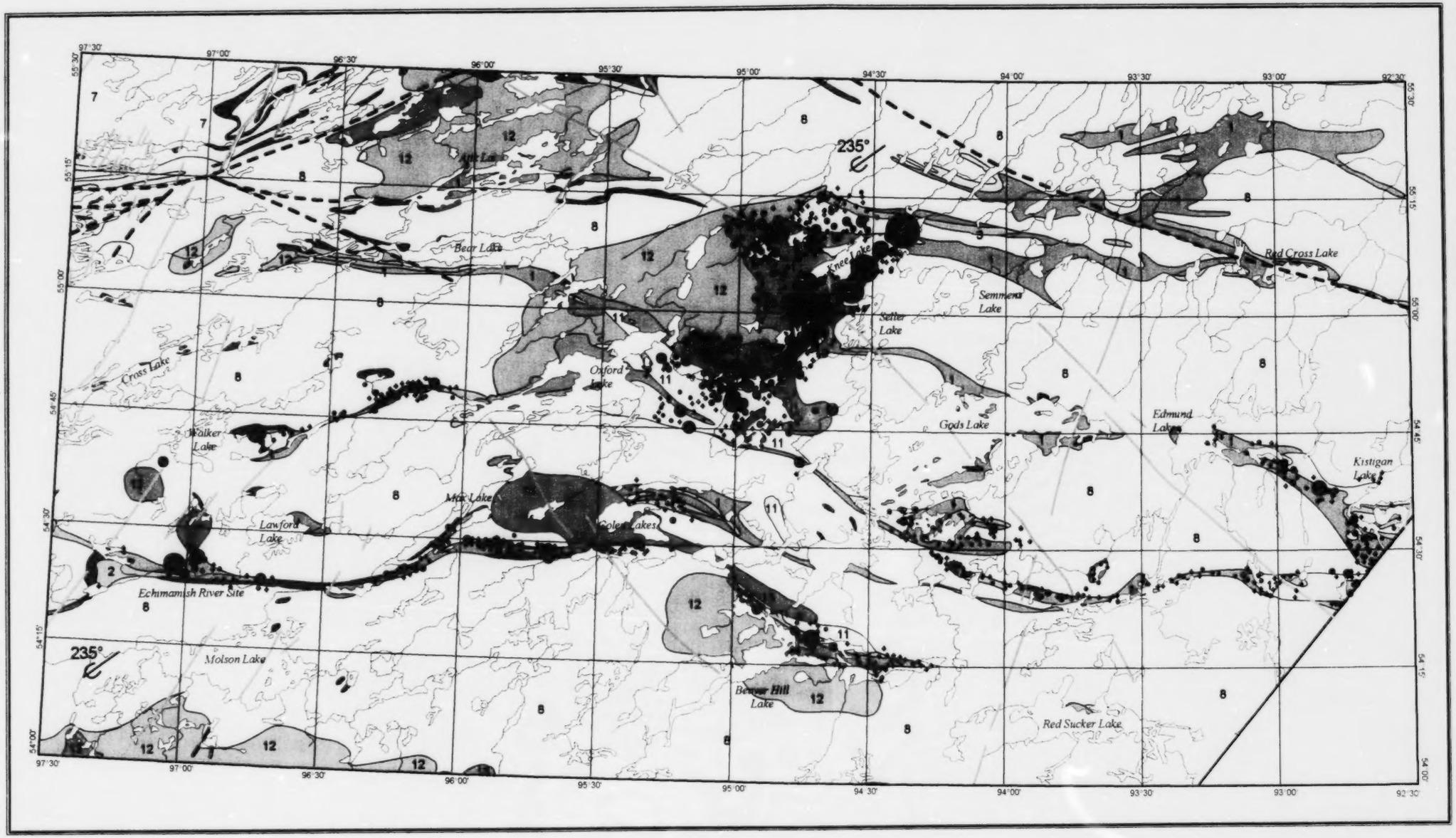


Figure 14. Regional distribution of Mg-ilmenite grains, Operation Superior, 1996-2000.



Legend

- 15 Migmatitic gneiss
- 13 Granite
- 12 Granodiorite
- 11 Arkose
- 10 Fragmental volcanic rocks
- 8 Tonalite
- 7 Felsic granulite
- 6 Metasedimentary gneiss
- Amphibolite
- Gabbro
- 3 Greywacke
- 2 Felsic volcanic rocks
- 1 Mafic volcanic rocks
- Dykes
- Faults
- Glacial striae

Total KIM grains

- Sampled site
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 11
- 14
- 18
- 20
- 30
- 50
- 78

Figure 15. Regional distribution of total kimberlite indicator mineral grains, Operation Superior, 1996-2000.

Table 1: Guidelines for preliminary mineral identification (Thorleifson et al., 1994).

Total <70%	+ CaO >44%	Apatite
Total <70%	+ FeO >50%	Siderite
Total <70%	+ Al_2O_3 >40%	Gahnite
Total 34%	+ SiO_2 33%	Zircon
Total <70%		low total; eg. phosphate, sulphate, carbonate
SiO_2 <20%	+ Cr_2O_3 >60% + MgO >12%	diamond inclusion Cr-spinel
	+ Cr_2O_3 >10%	Cr-spinel
	+ TiO_2 >70%	Rutile
	+ TiO_2 >30% + MgO >6%	Mg-ilmenite
	+ TiO_2 >30%	Ilmenite
	+ TiO_2 >1%	Ti-Fe-oxide
	+ FeOt >90%	Magnetite
	+ FeOt >80%	Hematite
	+ FeOt >40%	Goethite
	+ Al_2O_3 >80	Corundum
	+ Al_2O_3 >30% + Fe0 >20%	Hercynite
	+ Al_2O_3 >30%	Spinel
SiO_2 >75%		Quartz
SiO_2 >55%	+ Al_2O_3 >16%	Feldspar
TiO_2 >20%		Sphene
Al_2O_3 >55%		Kyanite
Al_2O_3 >45%		Staurolite
Al_2O_3 >24%	+ total <90% + MgO >5.3%	Mg-tourmaline
Al_2O_3 24%	+ total <90% + MgO <5.3%	Fe-tourmaline
Al_2O_3 24%	+ total<98% + CaO 22.2-25%	Epidote
SiO_2<47%	+K_2O>0.5% or Na_2O>1% or SiO_2 41-47% + Cr_2O_3 <0.5%	Amphibole
SiO_2 >47%	+ CaO <3.1%	OPX
	+ Na_2O >2.7%	Na-CPX
	+ FeOt >6.1%	Fe-CPX
	+ >0.5% Cr_2O_3	Cr-diopside
	Remainder	Diopside
MgO >25%		Olivine
Garnet	+ MgO >13% + Cr_2O_3 >0.5%	Cr-pyrope
	+MgO>4%+CaO>2% + TiO_2 >0.2%	Eclogitic garnet
	+ Cr_2O_3 >14%	Uvarovite
	+ MgO >13%	Pyrope
	+ TiO_2 >2.5 + Al_2O_3 <11.5%	Melanite
	+CaO>16%+Al_2O_3<11.5% + Cr_2O_3 >1%	Cr-andradite
	+ CaO >16% + Al_2O_3 <11.5%	Andradite
	CaO >30% + Cr_2O_3 >1%	Cr-Grossularite
	+ CaO >30%	Grossularite
	+ MnO >21%	Spessartite
	+ FeOt >25%	Almandite
	Remainder	Garnet

Table 2: Kimberlite indicator mineral classification (Thorleifson et al., 1994)

1.	Cr-spinel	>60% Cr_2O_3 + >12% MgO	diamond inclusion Cr-spinel
2.	Ilmenite	>-6% MgO	Mg-ilmenite
3.	Pyroxene	>0.50% Cr_2O_3	Cr-diopside
4.	Garnet	>13% MgO and >0.50% Cr_2O_3	Cr-pyrope
		>0.30% TiO_2 + 4.0% Cr_2O_3	G11 titanian, Cr-pyrope
		>.90% TiO_2	G2 titanian, Cr-pyrope
		>0.30% TiO_2	G1 titanian, Cr-pyrope
		>12.0% Cr_2O_3	G12 Non-titanian, Cr- pyrope
		CaO <0.285 (Cr_2O_3)+3.14	G10 Non-titanian, Cr-pyrope
		CaO >0.285 (Cr_2O_3)+5.14	G7 Non-titanian, Cr-pyrope
		Remainder	G9
		>4.0% MgO + >2.0% CaO + >0.20% TiO_2 + >19% Al_2O_3 + <0.5% Cr_2O_3	Eclogitic garnet
		>0.60% TiO_2	G4
		>16.0% CaO	G8
		>12.0% CaO	G6
		Remainder	G3

Table 3: Kimberlite indicator mineral (KIM) abundances, Operation Superior, 1996–2000, with a comparison to results for the Knee Lake and Echimamish River greenstone belts.

	Ti-Cr Pyrope	G9	G10	Cr-spinel	Diamond inclusion Cr-spinel	Mg-ilmenite	Cr-diopside	Total KIM
1996-2000	60	155	28	445	2	446	26	1162
N. Knee Lake (2000)	19	69	13	252	1	148	3	505
Beach Sands (n=26)	10	37	6	110	nil	54	2	219
Till (n=296)	9	32	7	142	1	94	1	286
S. Knee Lake (1999)	14	30	8	115	nil	160	3	330
Beach Sands (n=7)	3	6	1	7	nil	11	nil	28
Till (n=140)	11	24	7	108	nil	149	3	302
Echimamish River (1996)	3	5	1	5	nil	22	1	37

Appendix 1: Mineral Chemistry and Classifications (0.3 mm).

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
1996T-002	359032.82	6049652.19	0.38	0.30	2.21	20.64	28.20	12.61	31.46	0.07	1.18	97.04	ilmenite
1996T-004	240274.52	6035174.51	0.63	0.08	21.08	8.13	41.98	0.00	5.38	4.37	17.88	99.55	non-titanian Cr-pyrope (G9)
1996T-004	240274.52	6035174.51	0.62	0.01	19.44	7.68	41.49	0.15	6.18	5.79	18.30	99.66	non-titanian Cr-pyrope (G9)
1996T-004	240274.52	6035174.51	0.36	0.09	0.08	35.89	0.00	51.06	0.00	2.25	10.84	100.57	Mg-ilmenite
1996T-009	259161.75	6033137.15	0.32	0.08	20.45	6.56	41.58	0.23	4.94	5.38	19.96	99.50	non-titanian Cr-pyrope (G9)
1996T-011	227019.90	6038684.74	0.57	0.01	17.56	7.77	42.02	0.38	5.99	7.97	18.68	100.95	titanian Cr-pyrope (G11)
1996T-013	257733.55	6031862.38	0.50	0.02	0.15	35.80	0.00	47.81	0.00	3.64	10.36	98.29	Mg-ilmenite
1996T-014	251757.61	6033998.22	0.28	0.18	20.37	6.98	42.23	0.34	5.03	4.35	20.32	100.08	titanian Cr-pyrope (G11)
1996T-014	251757.61	6033998.22	0.88	0.00	0.05	48.57	0.00	49.59	0.00	0.00	0.00	99.09	ilmenite
1996T-014	251757.61	6033998.22	0.37	0.00	0.12	34.17	0.00	50.62	0.00	2.10	11.02	98.40	Mg-ilmenite
1996T-019	237614.53	6037718.54	0.32	0.02	21.36	7.39	41.54	0.19	4.57	3.47	21.80	100.65	non-titanian Cr-pyrope (G9)
1996T-019	237614.53	6037718.54	3.32	0.02	0.07	47.12	0.00	48.66	0.00	0.01	0.00	99.20	ilmenite
1996T-019	237614.53	6037718.54	0.20	0.00	0.03	94.88	0.00	0.00	0.00	0.06	0.00	95.17	magnetite
1996T-019	237614.53	6037718.54	1.60	0.00	0.06	49.25	0.00	49.67	0.00	0.00	0.00	100.59	ilmenite
1996T-019	237614.53	6037718.54	0.47	0.00	8.13	22.83	0.00	0.81	0.00	56.91	11.16	100.30	Chromite
1996T-019	237614.53	6037718.54	0.19	0.15	22.79	21.95	0.00	1.43	0.00	39.50	13.07	99.09	Chromite
1996T-019	237614.53	6037718.54	0.41	0.04	23.76	30.52	0.00	0.44	0.00	36.47	8.58	100.23	Chromite
1996T-019	237614.53	6037718.54	0.37	0.11	0.30	32.13	0.00	50.72	0.00	2.85	11.14	97.62	Mg-ilmenite
1996T-019	237614.53	6037718.54	0.39	0.12	0.15	37.41	0.00	48.81	0.00	2.81	9.36	99.05	Mg-ilmenite
1996T-019	237614.53	6037718.54	0.60	0.00	0.18	39.07	0.00	49.71	0.01	0.36	8.63	98.55	Mg-ilmenite
1996T-019	237614.53	6037718.54	0.36	0.00	7.92	25.87	0.00	2.71	0.00	46.62	14.72	98.21	Chromite
1996T-019	237614.53	6037718.54	0.43	0.00	0.13	32.70	0.00	51.59	0.00	2.59	10.20	97.64	Mg-ilmenite
1996T-019	237614.53	6037718.54	0.77	0.00	0.07	46.68	0.00	49.13	0.00	0.00	1.97	98.62	ilmenite
1996T-019	237614.53	6037718.54	0.27	0.00	16.59	13.93	0.00	0.11	0.00	53.35	16.14	100.40	Chromite
1996T-021	239814.07	6038002.68	0.48	0.00	18.59	6.64	41.40	0.11	5.50	6.68	19.72	99.12	non-titanian Cr-pyrope (G9)
1996T-021	239814.07	6038002.68	0.35	0.00	0.09	48.10	0.00	49.55	0.00	0.14	0.29	98.53	ilmenite
1996T-030	242624.32	6036513.37	0.35	0.00	0.21	34.14	0.00	50.35	0.00	2.80	10.59	98.44	Mg-ilmenite
1996T-031	240105.27	6036038.57	0.16	2.42	0.57	3.44	55.09	0.06	22.38	1.84	15.57	101.53	Cr-diopside
1996T-035	225826.82	6040697.03	0.32	0.00	21.04	7.49	41.19	0.42	4.69	3.41	21.22	99.77	titanian Cr-pyrope (G1)
1996T-037	346876.32	6051825.17	0.21	0.00	19.50	16.14	0.00	0.37	0.00	49.62	14.69	100.54	Chromite
1996T-038	265624.12	6068832.22	0.37	0.07	0.27	33.99	0.00	50.91	0.00	2.54	11.16	99.31	Mg-ilmenite
1996T-038	265624.12	6068832.22	0.47	0.00	0.20	34.01	0.00	52.74	0.00	0.20	11.39	99.01	Mg-ilmenite
1996T-039	261532.11	6066964.93	0.89	0.00	0.08	49.79	0.00	47.16	0.00	0.00	0.24	98.16	ilmenite
1996T-039	261532.11	6066964.93	0.26	0.00	0.23	35.01	0.00	49.72	0.00	2.65	10.45	98.33	Mg-ilmenite
1996T-039	261532.11	6066964.93	0.11	0.12	0.16	94.21	0.00	0.05	0.01	0.00	0.00	94.67	magnetite
1996T-041	258619.64	6066958.47	0.22	0.00	11.95	33.89	0.00	3.15	0.00	37.46	12.55	99.23	Chromite
1996T-044	263099.04	6069197.27	1.00	0.00	0.03	49.21	0.00	48.75	0.00	0.05	0.00	99.04	ilmenite
1996T-044	263099.04	6069197.27	0.00	10.24	23.70	0.00	61.67	0.00	4.70	0.00	0.00	100.32	Na-clinopyroxene
1996T-045	264001.36	6068455.22	0.37	0.00	13.06	27.79	0.00	2.49	0.00	43.15	11.51	98.38	Chromite
1996T-046	257342.35	6068633.38	0.27	0.08	19.39	6.95	42.05	0.13	5.02	7.20	20.13	101.22	non-titanian Cr-pyrope (G10)
1996T-046	257342.35	6068633.38	1.70	0.18	0.01	49.70	0.00	47.40	0.00	0.00	0.08	99.06	ilmenite
1996T-046	257342.35	6068633.38	0.38	0.20	0.55	28.37	0.00	54.19	0.00	0.40	14.20	98.28	Chromite
1996T-047	235214.99	6061976.11	0.66	0.00	19.96	8.13	41.19	0.18	3.08	5.43	20.76	99.40	non-titanian Cr-pyrope (G10)
1996T-049	270095.53	6070125.65	0.23	0.16	0.10	94.21	0.00	0.00	0.00	0.01	0.00	94.72	magnetite
1996T-049	270095.53	6070125.65	0.17	0.00	0.19	94.39	0.00	0.08	0.00	0.11	0.00	94.92	magnetite
1996T-050	276025.75	6073388.14	0.40	0.06	12.27	22.75	0.05	0.34	0.07	53.74	11.46	101.14	Chromite
1996T-056	296165.16	6079691.22	0.33	0.00	21.26	7.15	41.91	0.41	4.74	3.35	21.70	100.85	titanian Cr-pyrope (G1)
1996T-056	296165.16	6079691.22	0.40	0.00	10.48	31.01	0.00	4.67	0.00	36.40	14.86	97.83	Chromite
1996T-056	296165.16	6079691.22	0.20	0.00	0.14	93.33	0.00	0.13	0.00	0.04	0.00	93.85	magnetite
1996T-056	296165.16	6079691.22	0.52	0.00	0.16	37.30	0.00	49.32	0.00	2.06	10.04	99.41	Mg-ilmenite
1996T-060	287654.38	6076072.00	0.33	0.11	19.20	8.56	40.99	0.91	5.87	4.58	19.42	99.98	titanian Cr-pyrope (G2)
1996T-060	287654.38	6076072.00	0.60	0.03	0.16	93.12	0.00	0.08	0.00	0.05	0.00	94.04	magnetite
1996T-060	287654.38	6076072.00	0.48	0.00	0.31	31.60	0.00	53.67	0.00	0.35	12.84	99.25	Mg-ilmenite
1996T-060	287654.38	6076072.00	0.46	0.00	15.71	31.24	0.01	0.66	0.03	47.69	5.57	101.36	Chromite
1996T-062	291018.46	6076986.97	0.29	0.01	19.87	7.62	41.66	0.84	5.24	3.31	20.15	99.00	titanian Cr-pyrope (G1)
1996T-062	291018.46	6076986.97	0.35	0.00	0.20	33.00	0.00	49.38	0.00	3.27	11.40	97.60	Mg-ilmenite
1996T-062	291018.46	6076986.97	0.27	0.00	0.22	95.08	0.00	0.02	0.00	0.00	0.00	95.59	magnetite
1996T-062	291018.46	6076986.97	0.41	0.18	0.30	49.01	0.00	47.37	0.00	0.04	0.92	98.22	ilmenite
1996T-065	286594.30	6074960.31	0.35	0.09	0.11	34.36	0.00	50.73	0.00	2.11	10.11	97.86	Mg-ilmenite
1996T-067	285661.30	6073878.86	0.26	0.07	18.24	7.66	40.59	1.13	6.14	6.21	18.99	99.28	titanian Cr-pyrope (G2)
1996T-067	285661.30	6073878.86	0.24	0.00	0.38	32.39	0.00	51.82	0.00	0.46	12.49	97.77	Mg-ilmenite
1996T-068	285995.81	6075051.81	0.39	0.00	21.12	7.47	41.92	0.23	5.05	4.16	20.38	100.72	non-titanian Cr-pyrope (G9)
1996T-073	299938.42	6080288.79	0.32	0.04	20.79	6.98	41.87	0.38	5.18	3.68	21.90	101.13	titanian Cr-pyrope (G1)
1996T-073	299938.42	6080288.79	0.41	0.02	0.17	33.67	0.00	49.75	0.00	2.43	11.87	98.34	Mg-ilmenite
1996T-073	299938.42	6080288.79	0.31	0.00	0.09	38.40	0.00	46.24	0.00	3.32	9.29	97.66	Mg-ilmenite
1996T-074	301106.51	6078976.01	0.42	0.00	19.89	8.14	41.69	0.00	5.53	5.64	18.88	100.19	non-titanian Cr-pyrope (G9)
1996T-074	301106.51	6078976.01	0.48	0.09	13.13	24.77	0.00	0.29	0.00	54.63	6.72	100.11	ilmenite
1996T-075	304262.08	6076799.15	0.29	0.05	20.75	7.72	42.18	0.78	4.91	2.02	20.14	98.84	titanian Cr-pyrope (G1)
1996T-079	295323.91	6077374.40	0.41	0.00	0.30	95.22	0.02	0.01	0.00	0.00	0.00	95.97	magnetite
1996T-079	295323.91	6077374.40	0.10	0.00	0.09	93.80	0.00	0.09	0.00	0.00	0.00	94.08	magnetite
1996T-081	296942.73	6076868.12	0.44	0.05	18.87	7.34	41.72	0.34	5.75	6.55	19.64	100.71	titanian Cr-pyrope (G11)
1996T-081	296942.73	6076868.12	0.30	0.10	0.13	40.61	0.00	46.29	0.00	2.27	7.39	97.09	Mg-ilmenite
1996T-083	297836.34	6077186.92	0.36	0.00	21.74	30.43	37.78	0.12	5.14	0.00	5.67	101.25	garnet/almandite
1996T-091	289360.92	6078938.12	2.66	0.01	20.06	22.05	38.07	0.15	17.50	0.06	0.42	100.98	garnet/almandite
1996T-092	285935.41	6077998.34	0.24	0.04	0.39	29.71	0.00	52.59	0.00	2.88	13.60	99.45	Mg-ilmenite
1996T-092	285935.41	6077998.34	0.29	0.02	0.26	35.95	0.00	50.01	0.00	0.31	10.80	97.65	Mg-ilmenite
1996T-093	303544.39	6079126.11	11.17	0.00	0.07	38.92	0.00	47.56	0.00	0.00	0.05	97.78	ilmenite
1996T-096	284297.52	6082927.47	0.04	0.00	0.02	0.10	99.21	0.00	0.00	0.00	0.00	99.37	quartz

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
1996T-096	284297.52	6082927.47	0.00	0.00	0.03	0.07	96.87	0.00	0.00	0.00	0.00	96.98	quartz
1996T-098	283389.56	6080069.01	0.24	0.00	0.38	31.48	0.00	54.91	0.00	0.50	13.27	100.78	Mg-ilmenite
1996T-100	277911.06	6072860.01	0.45	0.01	21.02	7.87	41.55	0.78	5.23	2.66	20.83	100.41	titanian Cr-pyrope (G11)
1996T-100	277911.06	6072860.01	0.42	0.23	0.25	33.14	0.00	51.87	0.00	0.39	12.67	98.96	Mg-ilmenite
1996T-105	290099.32	6078196.16	3.41	0.02	0.02	45.75	0.00	51.33	0.00	0.02	0.00	100.54	ilmenite
1996T-106	288955.04	6077939.99	0.25	0.00	0.15	92.86	0.00	0.11	0.00	0.07	0.00	93.45	magnetite
1996T-106	288955.04	6077939.99	0.13	0.00	0.19	92.25	0.00	0.10	0.00	0.02	0.00	92.68	magnetite
1996T-106	288955.04	6077939.99	0.22	0.00	0.36	92.34	0.00	0.06	0.00	0.00	0.00	92.99	magnetite
1996T-106	288955.04	6077939.99	0.49	0.07	9.34	31.76	0.00	0.01	0.00	51.68	5.93	99.30	Chromite
1996T-107	287299.01	6077616.31	0.51	0.00	0.10	34.53	0.00	52.02	0.00	2.92	10.14	100.22	Mg-ilmenite
1996T-107	287299.01	6077616.31	0.19	0.00	0.09	92.23	0.00	0.00	0.00	0.30	0.00	92.81	magnetite
1996T-107	287299.01	6077616.31	1.57	0.00	0.04	49.16	0.00	50.15	0.00	0.00	0.00	100.92	ilmenite
1996T-121	358710.43	6054523.01	3.39	0.00	0.00	46.02	0.00	51.43	0.00	0.00	0.00	100.85	ilmenite
1996T-121	358710.43	6054523.01	0.09	0.09	0.23	91.15	0.00	0.09	0.00	0.00	0.00	91.65	magnetite
1996T-121	358710.43	6054523.01	0.10	0.00	0.19	93.66	0.00	0.04	0.00	0.04	0.00	94.03	magnetite
1996T-123	353499.82	6052776.13	0.29	0.04	21.03	9.25	41.67	0.83	4.74	1.83	19.22	98.89	titanian Cr-pyrope
1996T-123	353499.82	6052776.13	0.39	0.00	0.17	32.32	0.00	52.22	0.00	3.57	11.20	99.87	Mg-ilmenite
1996T-123	353499.82	6052776.13	0.28	0.00	0.12	91.41	0.00	0.08	0.04	0.03	0.00	91.96	magnetite
1996T-133	356139.61	6047177.15	0.49	0.17	21.06	8.17	41.83	0.13	4.85	4.19	19.23	100.11	non-titanian Cr-pyrope (G9)
1996T-133	356139.61	6047177.15	1.92	0.07	0.15	47.93	0.00	51.36	0.00	0.00	0.00	101.44	ilmenite
1996T-133	356139.61	6047177.15	0.23	0.00	0.24	90.93	0.00	0.11	0.00	0.02	0.00	91.54	magnetite
1996T-133	356139.61	6047177.15	0.21	0.00	0.05	93.54	0.00	0.11	0.00	0.07	0.00	93.97	magnetite
1996T-133	356139.61	6047177.15	0.36	0.00	9.80	36.26	0.00	5.11	0.00	37.98	9.47	98.99	Chromite
1996T-133	356139.61	6047177.15	0.19	3.99	4.34	4.16	54.20	0.18	15.23	1.15	15.15	98.59	Cr-diopside
1996T-139	258277.40	6034069.13	0.48	0.00	0.18	33.61	0.00	51.10	0.00	4.05	10.46	99.87	Mg-ilmenite
1996T-139	258277.40	6034069.13	0.18	0.00	21.52	17.39	0.00	1.31	0.00	44.29	15.25	99.94	Chromite
1996T-144	290256.64	6034561.07	0.18	0.00	38.24	14.27	0.00	0.47	0.00	26.99	18.95	99.10	Chromite
1996T-145	289413.91	6034672.19	2.45	0.00	0.05	45.29	0.00	53.56	0.00	0.00	0.02	101.38	ilmenite
1996T-146	289413.91	6034672.19	0.38	0.00	19.85	7.65	41.48	0.26	5.05	4.38	20.15	99.20	non-titanian Cr-pyrope (G9)
1996T-146	289413.91	6034672.19	0.12	0.00	0.15	91.82	0.00	0.06	0.00	0.14	0.00	92.29	magnetite
1996T-146	289413.91	6034672.19	0.57	0.00	0.11	35.90	0.00	49.75	0.00	3.19	9.33	98.85	Mg-ilmenite
1996T-146	289413.91	6034672.19	0.14	0.00	0.00	95.12	0.00	0.00	0.00	0.40	0.00	95.66	magnetite
1996T-146	289413.91	6034672.19	0.16	0.00	0.12	92.23	0.00	0.01	0.00	0.20	0.00	92.74	magnetite
1996T-146	289413.91	6034672.19	0.28	0.02	14.98	18.45	0.00	0.46	0.00	51.94	13.32	99.46	Chromite
1996T-147	288289.42	6034975.00	0.37	0.00	0.17	33.25	0.00	51.98	0.00	3.72	11.37	100.85	Mg-ilmenite
1996T-147	288289.42	6034975.00	0.35	0.06	20.35	15.07	0.00	0.19	0.00	50.68	13.83	100.53	Chromite
1996T-151	311912.68	6042989.47	0.33	0.00	20.96	7.53	42.10	0.23	4.64	3.41	21.25	100.46	non-titanian Cr-pyrope (G9)
1996T-151	311912.68	6042989.47	0.83	0.03	0.71	90.55	0.00	0.08	0.00	0.04	0.00	92.24	magnetite
1996T-156	312906.58	6042794.11	0.50	0.00	21.80	7.93	42.12	0.02	5.42	2.64	19.16	99.59	non-titanian Cr-pyrope (G9)
1996T-157	316154.72	6042754.29	0.45	0.14	3.65	14.22	0.06	0.05	0.00	68.08	12.90	99.54	diamond inclusion Cr-spinel
1996T-158	315313.53	6041965.15	0.53	0.00	17.95	7.04	41.64	0.31	5.25	6.98	19.86	99.55	titanian Cr-pyrope (G11)
1996T-158	315313.53	6041965.15	0.61	0.00	0.20	32.74	0.00	52.05	0.00	2.62	10.71	98.92	Mg-ilmenite
1996T-164	317257.94	6040445.17	0.68	0.00	18.71	7.41	41.70	0.18	5.88	6.69	18.59	99.85	non-titanian Cr-pyrope (G9)
1996T-175	309932.15	6042373.96	0.05	0.15	0.21	90.61	0.00	0.00	0.00	0.00	0.00	91.02	magnetite
1996T-176	306974.87	6041779.69	0.03	0.00	97.61	0.40	0.00	0.00	0.00	0.50	0.00	98.54	corundum
1996T-177	307369.27	6043035.64	0.39	0.04	10.06	33.40	0.00	5.11	0.00	36.61	11.15	96.77	Mg-ilmenite
1996T-177	307369.27	6043035.64	2.07	0.15	0.02	45.72	0.00	54.02	0.00	0.00	0.00	101.98	ilmenite
1996T-177	307369.27	6043035.64	0.16	0.00	0.05	91.32	0.00	0.14	0.00	0.01	0.00	91.68	magnetite
1996T-177	307369.27	6043035.64	2.32	0.00	0.04	46.35	0.00	52.32	0.00	0.05	0.00	101.07	ilmenite
1996T-177	307369.27	6043035.64	0.25	0.00	0.03	88.28	0.00	0.00	0.00	0.08	0.00	88.64	hematite
1996T-177	307369.27	6043035.64	0.38	0.06	0.27	31.35	0.00	53.84	0.00	2.55	11.44	99.90	Mg-ilmenite
1996T-177	307369.27	6043035.64	0.58	0.00	0.02	39.05	0.00	49.32	0.00	2.21	7.39	98.55	Mg-ilmenite
1996T-177	307369.27	6043035.64	0.16	0.06	0.15	93.04	0.00	0.07	0.00	0.08	0.00	93.56	magnetite
1996T-177	307369.27	6043035.64	0.22	0.00	0.07	91.31	0.00	0.04	0.00	0.07	0.03	91.74	magnetite
1996T-177	307369.27	6043035.64	0.22	0.00	0.04	92.17	0.00	0.10	0.00	0.01	0.00	92.54	magnetite
1996T-177	307369.27	6043035.64	0.25	0.00	0.10	94.18	0.00	0.06	0.00	0.06	0.00	94.66	magnetite
1996T-178	288193.15	6034082.81	0.09	0.00	0.40	89.26	0.00	0.15	0.00	0.00	0.00	89.91	hematite
1996T-178	288193.15	6034082.81	0.32	0.00	0.14	90.42	0.00	0.03	0.00	0.00	0.00	90.91	magnetite
1996T-180	292837.96	6035814.15	0.43	0.07	18.42	6.59	41.01	0.22	4.00	6.46	19.94	97.13	non-titanian Cr-pyrope (G10)
1996T-181	295174.92	6035957.83	0.34	0.00	20.80	7.11	41.29	0.09	4.83	4.10	19.58	98.14	non-titanian Cr-pyrope (G9)
1996T-181	295174.92	6035957.83	0.33	0.00	21.40	6.84	42.31	0.15	4.75	3.11	20.78	99.67	non-titanian Cr-pyrope (G9)
1996T-181	295174.92	6035957.83	0.04	0.00	0.33	87.16	0.00	0.03	0.00	0.01	0.00	87.57	hematite
1996T-182	296881.66	6036162.35	0.54	0.07	18.73	6.60	41.58	0.31	5.70	7.67	18.98	100.18	titanian Cr-pyrope (G11)
1996T-182	296881.66	6036162.35	0.41	0.00	22.01	7.20	43.23	0.42	4.55	2.43	20.05	100.29	titanian Cr-pyrope (G1)
1996T-188	298397.66	6037988.09	0.09	2.11	0.98	2.92	53.91	0.12	20.17	1.61	16.36	98.27	Cr-diopside
1996T-195	300452.65	6041610.50	0.43	0.05	0.15	45.95	0.00	51.05	0.00	0.00	1.44	99.07	ilmenite
1996T-195	300452.65	6041610.50	0.99	0.00	0.06	54.79	0.00	40.70	0.00	0.00	0.20	96.74	ilmenite
1996T-195	300452.65	6041610.50	0.46	0.02	0.15	30.34	0.00	53.28	0.00	3.46	10.34	98.06	Mg-ilmenite
1996T-195	300452.65	6041610.50	0.64	0.20	0.12	47.60	0.00	49.28	0.00	0.00	0.05	97.90	ilmenite
1996T-198	303027.09	6042479.45	0.54	0.00	22.30	8.19	41.35	0.00	4.97	3.03	19.00	99.39	non-titanian Cr-pyrope (G9)
1996T-198	303027.09	6042479.45	0.27	0.09	0.27	89.57	0.00	0.09	0.00	0.09	0.00	90.38	hematite
1996T-200	302257.12	6042970.83	0.34	0.05	0.29	32.87	0.00	50.19	0.00	2.69	10.40	96.84	Mg-ilmenite
1996T-202	299230.59	6041897.62	0.39	0.13	19.23	7.22	42.18	0.58	4.92	4.48	19.96	99.08	titanian Cr-pyrope (G11)
1996T-202	299230.59	6041897.62	0.31	0.05	19.69	7.55	42.64	0.10	5.00	4.58	20.58	100.51	non-titanian Cr-pyrope (G9)
1996T-202	299230.59	6041897.62	3.12	0.00	0.03	46.73	0.00	48.60	0.00	0.01	0.00	98.49	ilmenite
1996T-204	301275.42	6041337.43	0.42	0.05	17.00	6.87	41.51	0.68	6.53	8.24	19.34	100.64	titanian Cr-pyrope (G11)
1996T-204	301275.42	6041337.43	0.28	0.11	0.71	28.56	0.00	45.55	0.00	9.57	12.29	97.06	Mg-ilmenite
1996T-204	301275.42	6041337.43	0.41	0.05	0.23	30.76	0.00	49.89	0.00	4.45	11.28	97.07	Mg-ilmenite
1996T-204	301275.42	6041337.43	0.29	0.07	9.25	34.62	0.00	5.51	0.00	32.87	15.51	98.13	ilmenite
1996T-204	301275.42	6041337.43	0.40	0.00	8.46	32.18	0.00	5.40	0.00	34.98	15.45	96.86	ilmenite
1996T-206	303019.67	6045984.91	0.42	0.05	0.14	31.71	0.00	52.14	0.00	2.39	10.69	97.54	Mg-ilmenite

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
1996T-206	303019.67	6045984.91	2.18	0.03	0.10	46.94	0.00	47.58	0.00	0.00	0.00	96.82	ilmenite
1996T-206	303019.67	6045984.91	1.40	0.03	0.11	48.64	0.00	50.52	0.00	0.00	0.00	100.70	ilmenite
1996T-206	303019.67	6045984.91	1.75	0.00	0.05	48.94	0.00	47.71	0.00	0.01	0.54	99.00	ilmenite
1996T-206	303019.67	6045984.91	0.40	0.00	0.24	32.15	0.00	52.47	0.00	2.06	12.15	99.48	Mg-ilrnenite
1996T-206	303019.67	6045984.91	1.22	0.02	0.14	46.02	0.00	51.74	0.00	0.04	0.24	99.43	ilmenite
1996T-206	303019.67	6045984.91	0.87	0.08	0.04	49.25	0.00	48.48	0.00	0.00	0.00	98.71	ilmenite
1996T-210	248536.51	6036529.64	0.39	0.00	19.54	7.61	41.06	0.35	4.57	5.54	19.07	98.13	non-titanian Cr-pyrope (G10)
1996T-211	244863.90	6038737.26	0.53	0.02	0.23	31.77	0.00	51.79	0.00	2.27	11.62	98.24	Mg-ilmenite
1996T-212	243181.26	6039306.79	0.48	0.00	20.97	8.14	40.92	0.03	4.76	3.59	19.23	98.10	non-titanian Cr-pyrope (G9)
1996T-212	243181.26	6039306.79	0.39	0.00	0.20	32.93	0.00	51.06	0.00	2.33	10.83	97.74	Mg-ilmenite
1996T-212	243181.26	6039306.79	0.29	0.21	0.10	34.36	0.00	49.79	0.00	3.19	10.21	98.15	Mg-ilmenite
1996T-212	243181.26	6039306.79	0.34	0.00	0.06	34.28	0.00	50.48	0.00	2.86	10.25	98.28	Mg-ilmenite
1996T-212	243181.26	6039306.79	0.41	0.25	0.23	28.06	0.00	50.96	0.00	5.82	12.79	98.51	Mg-ilmenite
1996T-214	241675.03	6041318.45	0.43	0.00	0.02	33.54	0.00	48.71	0.00	2.65	11.17	96.51	Mg-ilmenite
1996T-214	241675.03	6041318.45	0.41	0.00	0.26	32.92	0.00	49.48	0.00	3.59	11.06	97.73	Mg-ilmenite
1996T-214	241675.03	6041318.45	0.47	0.02	0.27	30.30	0.00	49.95	0.00	4.21	11.95	97.17	Mg-ilmenite
1996T-215	244441.62	6036038.83	0.38	0.07	19.49	8.17	41.09	0.26	4.71	5.28	19.08	98.52	non-titanian Cr-pyrope (G9)
1997T-006	518401.00	6043035.00	0.14	4.91	4.63	4.25	52.88	0.36	15.66	1.08	14.62	98.52	Cr-diopside
1997T-019	503981.00	6058302.00	0.49	0.17	18.09	7.31	43.08	0.07	5.27	7.15	16.55	98.17	non-titanian Cr-pyrope (G9)
1997T-022	509841.00	6054884.00	0.29	0.00	0.17	33.58	0.00	50.85	0.00	3.30	11.81	100.00	Mg-ilmenite
1997T-023	509948.00	6053778.00	0.33	0.00	0.00	36.48	0.00	48.70	0.00	2.80	10.25	98.56	Mg-ilmenite
1997T-023	509948.00	6053778.00	0.35	0.00	0.49	30.96	0.00	52.75	0.05	2.61	13.02	100.23	Mg-ilmenite
1997T-023	509948.00	6053778.00	0.34	0.11	0.13	37.09	0.01	51.76	0.03	0.17	10.05	99.70	Mg-ilmenite
1997T-023	509948.00	6053778.00	0.35	0.15	19.84	21.47	0.00	0.23	0.02	44.36	13.03	99.45	Cr-spinel
1997T-028	500798.00	6058006.00	0.08	3.88	2.93	3.50	55.73	0.32	18.08	2.59	13.71	100.82	Cr-diopside
1997T-037	512445.00	6053053.00	0.73	0.05	11.71	8.98	38.18	0.34	36.18	4.14	0.15	100.47	Cr-grossularite
1997T-038	511021.00	6053344.00	0.55	0.00	20.52	8.31	42.82	0.08	5.95	3.56	17.03	98.82	non-titanian Cr-pyrope (G9)
1997T-038	511021.00	6053344.00	0.36	0.11	0.13	36.15	0.01	49.53	0.00	2.76	10.01	99.08	Mg-ilmenite
1997T-038	511021.00	6053344.00	0.44	0.00	0.15	41.57	0.00	47.17	0.03	2.45	7.52	99.32	Mg-ilmenite
1997T-038	511021.00	6053344.00	0.16	0.00	0.65	82.20	0.00	8.23	0.01	0.10	0.02	91.37	hematite
1997T-045	501781.00	6059766.00	0.45	0.14	19.52	7.33	43.69	0.17	5.47	5.33	17.68	99.78	non-titanian Cr-pyrope (G9)
1997T-045	501781.00	6059766.00	0.36	0.00	0.22	37.65	0.00	48.52	0.00	2.45	9.51	98.71	Mg-ilmenite
1997T-045	501781.00	6059766.00	3.00	0.23	0.00	46.96	0.00	49.23	0.00	0.05	0.05	99.52	ilmenite
1997T-045	501781.00	6059766.00	1.66	0.00	0.04	48.51	0.08	49.77	0.01	0.01	0.30	100.37	ilmenite
1997T-052	504799.00	6056393.00	0.38	0.00	20.08	26.33	0.00	0.68	0.01	44.51	8.60	100.58	Cr-spinel
1997T-056	485088.00	6068682.00	0.32	0.11	17.52	7.35	41.91	0.18	5.57	6.45	16.18	95.60	non-titanian Cr-pyrope (G9)
1997T-059	500719.00	6060166.00	0.31	0.06	0.22	32.15	0.01	51.83	0.00	2.36	13.61	100.57	Mg-ilmenite
1997T-061	497206.00	6060852.00	0.17	0.00	15.39	22.61	0.02	0.24	0.03	49.43	11.48	99.37	Cr-spinel
1997T-064	495880.00	6064914.00	0.09	1.57	0.20	2.42	54.19	0.12	23.30	2.22	15.62	99.72	Cr-diopside
1997T-064	495880.00	6064914.00	1.70	0.00	0.00	48.72	0.01	49.21	0.03	0.03	0.00	99.71	ilmenite
1997T-064	495880.00	6064914.00	3.61	0.07	0.05	46.28	0.06	47.53	0.04	0.00	0.21	97.85	ilmenite
1997T-070	492821.00	6062333.00	0.15	2.53	2.28	3.73	55.37	0.25	17.83	1.37	16.61	100.12	Cr-diopside
1997T-071	518287.00	6046419.00	0.50	0.05	21.47	8.44	42.72	0.11	5.70	3.00	15.89	97.87	non-titanian Cr-pyrope (G9)
1997T-072	518901.00	6044811.00	0.18	0.46	2.04	4.12	54.34	0.14	21.92	1.49	16.52	101.21	Cr-diopside
1997T-078	522282.00	6036707.00	0.25	0.00	0.26	42.13	0.00	48.86	0.02	0.35	7.08	98.95	Mg-ilmenite
1997T-088	520527.00	6041691.00	0.38	0.08	19.88	7.66	43.24	0.21	5.20	5.25	16.69	98.58	non-titanian Cr-pyrope (G9)
1997T-088	520527.00	6041691.00	0.53	0.02	19.85	35.57	38.81	0.06	4.35	0.02	1.69	100.92	almandite
1997T-088	520527.00	6041691.00	0.11	2.43	1.35	2.62	55.05	0.28	20.36	2.74	14.76	99.70	Cr-diopside
1997T-090	523174.00	6042220.00	0.17	0.23	0.07	0.16	35.35	0.13	0.06	0.16	0.00	36.34	zircon
1997T-090	523174.00	6042220.00	0.30	0.11	0.24	31.21	0.03	52.87	0.05	3.01	11.54	99.36	Mg-ilmenite
1997T-091	518535.00	6038263.00	0.46	0.00	17.68	7.35	43.00	0.29	5.57	7.90	16.91	99.17	non-titanian Cr-pyrope (G9)
1997T-091	518535.00	6038263.00	0.49	0.00	17.53	32.15	0.00	0.38	0.00	36.57	10.11	97.23	Cr-spinel
1997T-099	517575.00	6045717.00	0.46	0.14	19.48	7.46	43.38	0.09	5.57	5.86	16.60	99.04	non-titanian Cr-pyrope (G9)
1997T-099	517575.00	6045717.00	0.40	0.08	17.85	7.54	43.21	0.17	5.25	5.72	17.81	98.03	non-titanian Cr-pyrope (G9)
1997T-136	513377.00	6052104.00	0.43	0.00	20.08	7.43	43.00	0.20	5.00	4.50	18.27	98.91	non-titanian Cr-pyrope (G9)
1997T-138	513788.00	6053203.00	0.60	0.14	20.26	7.83	43.87	0.03	4.86	4.35	17.29	99.23	non-titanian Cr-pyrope (G9)
1997T-140	510561.00	6051207.00	0.14	0.18	0.04	0.17	34.63	0.09	0.06	0.18	0.08	35.57	zircon
1997T-140	510561.00	6051207.00	0.14	0.70	1.12	5.69	54.20	0.07	21.08	0.96	17.29	101.25	Cr-diopside
1997T-143	503707.00	6055102.00	0.44	0.02	19.67	7.69	43.99	0.23	5.63	4.76	16.83	99.26	non-titanian Cr-pyrope (G9)
1997T-143	503707.00	6055102.00	0.19	0.00	21.09	20.68	0.02	1.41	0.02	40.21	15.90	99.53	Cr-spinel
1997T-152	517917.00	6030851.00	0.64	0.02	20.62	8.10	43.67	0.01	5.05	3.52	16.50	98.13	non-titanian Cr-pyrope (G9)
1997T-153	517089.00	6028676.00	0.48	0.02	18.45	8.31	43.10	0.35	5.35	6.21	17.54	99.79	titanian Cr-pyrope (G11)
1997T-153	517089.00	6028676.00	0.85	0.12	9.63	43.18	0.01	0.14	0.04	44.21	1.39	99.57	Cr-spinel
1997T-159	512845.00	6033996.00	0.43	0.00	0.04	35.58	0.00	48.92	0.02	3.61	11.43	100.01	Mg-ilmenite
1997T-171	516472.00	6033483.00	0.41	0.08	17.91	7.57	43.41	0.54	6.47	6.06	17.82	100.27	titanian Cr-pyrope (G11)
1997T-171	516472.00	6033483.00	0.00	0.01	97.94	0.27	0.00	0.00	0.00	1.28	0.00	99.50	corundum
1997T-186	518573.00	6031574.00	0.57	0.00	21.50	8.18	44.83	0.10	4.86	2.79	17.27	100.09	non-titanian Cr-pyrope (G9)
1997T-197	496064.00	6031902.00	0.06	1.31	0.45	2.84	54.39	0.19	23.10	1.96	15.01	99.31	Cr-diopside
1997T-204	493311.00	6034135.00	0.50	0.08	18.03	6.99	44.07	0.21	5.45	5.93	16.59	97.84	non-titanian Cr-pyrope (G9)
1997T-204	493311.00	6034135.00	0.82	0.10	19.65	26.87	38.96	0.14	11.55	0.04	1.75	99.89	almandite
1997T-219	476476.00	6033291.00	0.38	0.00	0.11	35.26	0.01	49.87	0.00	4.20	10.68	100.52	Mg-ilmenite
1997T-221	491778.00	6033333.00	0.40	0.08	19.77	6.91	43.63	0.26	5.41	4.54	17.37	98.36	non-titanian Cr-pyrope (G9)
1997T-221	491778.00	6033333.00	0.40	0.00	0.40	40.70	0.00	47.98	0.06	0.18	8.80	98.52	Mg-ilmenite
1997T-222	489734.00	6033070.00	0.18	0.09	0.26	93.15	0.03	0.07	0.04	0.11	0.11	94.05	magnetite
1997T-222	489734.00	6033070.00	0.08	0.00	0.11	93.71	0.09	0.07	0.01	0.07	0.02	94.16	magnetite
1997T-223	482129.00	6034706.00	0.29	0.12	8.14	33.66	0.00	3.44	0.01	43.27	9.95	98.88	Cr-spinel
1997T-225	484355.00	6033976.00	0.59	0.00	0.19	48.53	0.00	49.91	0.05	0.01	0.30	99.57	ilmenite
1997T-225	484355.00	6033976.00	0.13	0.13	28.70	14.47	0.16	0.56	0.00	37.29	19.54	100.99	Cr-spinel
1997T-240	460875.00	6028462.00	0.11	0.00	42.90	33.98	0.00	0.05	0.00	15.56	5.03	97.63	Cr-spinel
1997T-241	461875.00	6027235.00	0.36	0.05	17.86	7.22	43.48	0.24	5.76	6.70	16.30	97.96	non-titanian Cr-pyrope (G9)

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
1997T-244	453747.00	6028681.00	0.26	0.00	23.11	27.59	0.03	0.34	0.00	38.86	10.85	101.04	Cr-spinel
1997T-249	450994.00	6027808.00	0.48	0.08	16.23	1.00	40.56	0.43	36.89	2.02	0.14	97.83	Cr-grossularite
1997T-254	443423.00	6028525.00	0.47	0.05	16.98	7.65	43.63	0.25	6.40	8.52	17.15	101.10	non-titanian Cr-pyrope (G9)
1997T-254	443423.00	6028525.00	0.13	1.52	1.74	2.08	53.87	0.13	23.37	0.96	14.70	98.49	Cr-diopside
1997T-255	442843.00	6030013.00	0.36	0.26	19.06	7.42	43.82	0.20	5.29	4.91	17.32	98.65	non-titanian Cr-pyrope (G9)
1997T-255	442843.00	6030013.00	0.23	0.02	0.00	13.42	0.05	72.14	0.10	3.99	6.42	98.36	rutile
1997T-256	442448.00	6029172.00	0.36	0.14	17.60	7.66	42.16	0.10	6.84	7.98	15.73	98.56	non-titanian Cr-pyrope (G9)
1997T-257	439225.00	6030492.00	0.33	0.16	0.00	32.50	0.00	50.13	0.02	3.98	11.10	98.21	Mg-ilmenite
1997T-262	435111.00	6031848.00	0.45	0.11	19.08	7.80	41.12	0.27	5.62	4.81	15.81	95.07	non-titanian Cr-pyrope (G9)
1997T-267	449222.00	6028541.00	0.17	0.06	0.38	41.28	0.00	49.03	0.03	0.44	8.11	99.49	Mg-ilmenite
1997T-272	467904.00	6033232.00	0.07	0.00	0.00	92.83	0.00	0.00	0.05	0.12	0.02	93.10	magnetite
1997T-273	466096.00	6029651.00	0.49	0.00	17.03	7.43	42.10	0.01	3.95	8.27	18.19	97.48	non-titanian Cr-pyrope (G10)
1997T-279	455920.00	6035035.00	0.34	0.00	0.11	35.82	0.00	50.17	0.00	3.37	10.67	100.46	Mg-ilmenite
1997T-283	457995.00	6036193.00	0.29	0.00	8.50	32.15	0.10	4.10	0.05	41.85	13.08	100.12	Cr-spinel
1997T-285	454410.00	6030342.00	0.38	0.00	20.23	7.54	42.24	0.38	5.64	5.17	16.60	98.19	titanian Cr-pyrope (G11)
1998T-2	419789.00	6046717.00	0.05	0.04	0.29	92.68	0.01	0.03	0.04	0.03	0.09	93.27	magnetite
1998T-2	419789.00	6046717.00	0.23	0.08	0.06	93.04	0.00	0.03	0.04	0.13	0.00	93.62	magnetite
1998T-2	419789.00	6046717.00	0.19	0.09	0.05	92.95	0.00	0.00	0.05	0.13	0.04	93.51	magnetite
1998T-8	415727.00	6042908.00	0.20	0.04	0.15	92.93	0.00	0.04	0.03	0.07	0.01	93.46	magnetite
1998T-15	405071.47	6014609.50	0.06	0.02	0.07	92.78	0.02	0.06	0.03	0.17	0.00	93.22	magnetite
1998T-15	405071.47	6014609.50	0.31	0.05	0.00	92.89	0.00	0.04	0.04	0.08	0.03	93.43	magnetite
1998T-20	409312.34	6013691.50	0.36	0.01	8.15	34.46	0.08	4.64	0.10	38.70	13.48	99.98	Cr-spinel
1998T-21	389429.00	6018411.00	0.30	0.01	19.81	21.54	0.06	0.58	0.09	43.35	12.53	98.28	Cr-spinel
1998T-21	389429.00	6018411.00	0.59	0.11	2.66	49.50	0.07	1.16	0.12	39.75	2.85	96.81	Cr-spinel
1998T-23	392288.00	6014396.00	0.73	0.18	0.61	52.80	0.07	1.78	0.11	41.28	2.51	100.07	Cr-spinel
1998T-27	375906.00	6025997.00	0.45	0.08	18.00	7.65	40.57	0.29	5.81	7.25	19.73	99.82	non-titanian Cr-pyrope (G9)
1998T-29	374547.00	6029138.00	0.40	0.09	20.54	7.43	40.60	0.32	4.93	5.08	21.27	100.66	titanian Cr-pyrope (G11)
1998T-31	372780.00	6028156.00	0.21	0.53	1.98	3.24	53.83	0.16	23.45	0.70	15.80	99.90	diopside
1998T-37	370589.00	6033766.00	0.42	0.05	17.05	7.35	39.62	0.24	6.62	8.76	19.06	99.17	non-titanian Cr-pyrope (G9)
1998T-39	319606.97	6040534.00	0.15	0.97	1.88	3.50	53.92	0.14	22.77	1.30	16.15	100.79	Cr-diopside
1998T-40	317629.00	6040882.50	0.34	0.00	0.15	92.74	0.00	0.09	0.01	0.06	0.00	93.40	magnetite
1998T-40	317629.00	6040882.50	0.21	0.04	0.10	93.20	0.00	0.13	0.04	0.09	0.03	93.84	magnetite
1998T-43	318611.03	6043950.00	0.40	0.13	0.06	29.27	0.00	52.11	0.01	4.84	12.93	99.74	magnesian ilmenite
1998T-49	314291.00	6039571.50	0.11	0.11	0.26	93.26	0.00	0.23	0.02	0.02	0.07	94.09	magnetite
1998T-58	422017.59	6039578.50	0.07	0.00	54.83	13.14	26.61	0.66	0.03	0.06	1.49	96.89	staurolite
1998T-61	428648.00	6042511.00	0.34	0.04	0.07	37.53	0.00	48.87	0.02	2.86	9.34	99.05	magnesian ilmenite
1998T-66	425278.00	6047515.00	0.37	0.00	0.28	35.23	0.00	51.18	0.04	1.36	10.63	99.09	magnesian ilmenite
1998T-70	411122.00	6046567.00	0.31	0.00	0.22	32.65	0.00	51.34	0.01	2.38	11.41	98.32	magnesian ilmenite
1998T-70	411122.00	6046567.00	0.37	0.02	0.09	35.29	0.00	51.66	0.03	2.13	10.63	100.21	magnesian ilmenite
1998T-70	411122.00	6046567.00	4.39	0.02	10.90	0.98	37.31	0.42	30.51	14.15	0.36	99.04	Cr-diopside
1998T-71	412676.00	6045877.00	0.25	0.00	0.08	93.27	0.00	0.07	0.03	0.08	0.11	93.89	magnetite
1998T-71	412676.00	6045877.00	0.24	0.00	21.98	37.45	0.00	3.42	0.00	24.67	12.44	100.19	Cr-spinel
1998T-73	411549.00	6043862.00	0.33	0.07	9.96	30.02	0.09	3.91	0.10	41.78	11.49	97.76	Cr-spinel
1998T-79	432599.00	6044519.00	0.12	0.08	0.11	93.11	0.00	0.05	0.04	0.05	0.02	93.60	magnetite
1998T-79	432599.00	6044519.00	0.33	0.07	7.34	24.05	0.07	4.21	0.11	50.97	12.92	100.07	Cr-spinel
1998T-79	432599.00	6044519.00	0.45	0.00	20.51	19.04	0.04	0.21	0.09	46.68	13.12	100.13	Cr-spinel
1998T-83	431374.00	6041096.00	0.06	0.08	54.43	12.81	25.99	0.63	0.04	0.04	1.56	95.63	staurolite
1998T-83	431374.00	6041096.00	0.38	0.01	8.77	33.22	0.09	4.89	0.11	39.45	13.49	100.41	Cr-spinel
1998T-85	439153.13	6044766.50	0.03	0.02	0.03	0.47	31.22	38.07	28.84	2.08	0.00	100.76	Cr-diopside
1998T-94	413909.00	6049263.00	0.62	0.06	17.96	8.49	39.27	0.11	6.70	7.59	18.50	99.31	non-titanian Cr-pyrope (G9)
1998T-94	413909.00	6049263.00	0.28	0.08	14.97	15.66	0.19	0.80	0.12	52.99	16.03	101.13	Cr-spinel
1998T-95	407798.00	6049007.00	0.45	0.04	19.54	7.26	40.95	0.21	5.47	6.33	19.61	99.85	non-titanian Cr-pyrope (G9)
1998T-96	409899.00	6046556.00	0.06	0.09	0.02	94.05	0.00	0.09	0.04	0.06	0.09	94.49	magnetite
1998T-97	418140.00	6045082.00	0.27	0.09	0.00	93.34	0.00	0.07	0.04	0.09	0.02	93.93	magnetite
1998T-97	418140.00	6045082.00	0.45	0.06	9.38	34.45	0.11	5.15	0.13	38.27	11.83	99.83	Cr-spinel
1998T-101	432256.00	6031840.50	0.29	0.01	0.15	32.34	0.00	50.92	0.02	3.14	11.45	98.32	magnesian ilmenite
1998T-103	425307.38	6035317.50	0.68	0.00	21.31	25.27	37.90	0.19	5.34	0.12	8.30	99.13	eclogitic garnet
1998T-106	421383.56	6037781.50	0.14	0.11	0.08	92.95	0.00	0.05	0.03	0.05	0.03	93.45	magnetite
1998T-107	420147.63	6037637.50	0.20	0.00	0.02	92.47	0.00	0.01	0.05	0.04	0.03	92.82	magnetite
1998T-108	421291.50	6035072.50	0.50	0.01	22.94	22.72	38.47	0.17	8.00	0.22	8.48	101.52	eclogitic garnet
1998T-110	424600.44	6036265.50	0.14	1.78	1.51	3.13	55.38	0.22	20.16	1.64	16.86	100.83	Cr-diopside
1998T-112	422413.50	6036539.50	0.38	0.03	15.30	19.43	0.08	0.48	0.11	52.26	12.88	100.95	Cr-spinel
1998T-114	419177.66	6038148.50	1.06	0.13	7.71	37.60	0.12	4.24	0.11	39.74	8.70	99.41	Cr-spinel
1998T-114	419177.66	6038148.50	0.55	0.08	16.24	31.49	0.03	0.49	0.11	42.81	6.82	98.61	Cr-spinel
1998T-118	426929.28	6034129.50	0.09	0.03	54.26	14.21	25.42	0.67	0.04	0.04	1.98	96.75	staurolite
1998T-118	426929.28	6034129.50	0.09	0.04	0.24	22.58	36.26	0.55	34.08	5.48	0.26	99.59	Cr-diopside
1998T-120	423790.44	6035660.50	0.41	0.09	19.89	7.74	40.96	0.18	4.60	5.97	20.81	100.64	non-titanian Cr-pyrope (G10)
1998T-122	408163.00	6044404.00	0.56	0.02	22.21	9.50	40.48	0.07	5.39	3.23	19.41	100.87	non-titanian Cr-pyrope (G9)
1998T-123	410744.00	6043110.00	0.56	0.03	22.64	23.90	38.21	0.34	6.47	0.08	9.25	101.48	eclogitic garnet
1998T-123	410744.00	6043110.00	0.32	0.08	0.29	32.12	0.00	51.81	0.00	3.60	11.97	100.20	magnesian ilmenite
1998T-123	410744.00	6043110.00	0.21	0.74	0.56	4.62	54.71	0.08	23.33	0.49	16.29	101.04	Cr-diopside
1998T-126	413132.19	6012836.00	0.09	0.00	0.14	93.61	0.00	0.05	0.04	0.06	0.00	94.00	magnetite
1998T-127	385444.00	6022763.00	0.80	0.02	1.66	51.63	0.09	1.19	0.12	39.19	2.48	97.19	Cr-spinel
1998T-128	385814.00	6024219.00	0.38	0.06	20.17	7.54	40.78	0.10	5.81	5.86	19.88	100.58	non-titanian Cr-pyrope (G9)
1998T-128	385814.00	6024219.00	0.73	0.11	1.31	54.65	0.06	0.61	0.11	39.45	1.96	98.99	Cr-spinel
1998T-131	410227.28	6012701.50	0.48	0.02	0.13	68.87	0.00	0.73	0.01	25.81	1.40	97.45	Cr-spinel
1998T-131	410227.28	6012701.50	0.11	0.10	0.09	93.34	0.00	0.07	0.04	0.05	0.06	93.86	magnetite
1998T-132	407970.38	6013576.50	0.06	0.12	0.07	92.67	0.00	0.03	0.05	0.08	0.15	93.24	magnetite
1998T-132	407970.38	6013576.50	0.08	0.10	0.03	93.29	0.00	0.04	0.04	0.07	0.04	93.70	magnetite
1998T-132	407970.38	6013576.50	0.08	0.00	0.00	94.12	0.00	0.03	0.04	0.22	0.05	94.54	magnetite

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
1998T-132	407970.38	6013576.50	0.10	0.06	0.05	93.50	0.00	0.04	0.04	0.07	0.12	93.98	magnetite
1998T-134	406971.44	6014940.50	0.14	0.20	0.06	94.27	0.00	0.03	0.05	0.06	0.13	94.93	magnetite
1998T-134	406971.44	6014940.50	0.08	0.00	0.07	93.79	0.00	0.04	0.05	0.14	0.01	94.18	magnetite
1998T-134	406971.44	6014940.50	0.08	0.02	0.12	93.11	0.00	0.07	0.04	0.08	0.09	93.62	magnetite
1998T-139	402538.53	6013989.50	0.11	0.00	0.05	93.35	0.00	0.02	0.03	0.05	0.00	93.60	magnetite
1998T-139	402538.53	6013989.50	0.08	0.02	0.06	93.47	0.00	0.05	0.05	0.06	0.09	93.88	magnetite
1998T-139	402538.53	6013989.50	0.35	0.06	7.79	18.83	0.08	1.73	0.10	57.40	13.85	100.20	Cr-spinel
1998T-139	402538.53	6013989.50	0.08	0.12	0.06	93.67	0.02	0.02	0.04	0.04	0.12	94.17	magnetite
1998T-139	402538.53	6013989.50	0.06	0.00	0.09	93.46	0.00	0.04	0.03	0.08	0.08	93.84	magnetite
1998T-142	397559.00	6017711.00	0.08	0.09	0.02	93.47	0.00	0.06	0.05	0.05	0.03	93.85	magnetite
1998T-142	397559.00	6017711.00	0.07	0.08	0.08	92.95	0.00	0.03	0.03	0.05	0.01	93.31	magnetite
1998T-146	392335.00	6021175.00	0.05	0.06	0.10	93.16	0.00	0.07	0.03	0.05	0.09	93.61	magnetite
1998T-146	392335.00	6021175.00	0.77	0.04	0.80	54.21	0.06	0.79	0.12	40.05	2.24	99.07	Cr-spinel
1998T-147	388878.00	6020355.00	0.01	0.03	0.11	93.27	0.00	0.06	0.01	0.12	0.07	93.70	magnetite
1998T-147	388878.00	6020355.00	0.15	0.22	0.85	92.02	0.00	0.10	0.05	0.09	0.21	93.69	magnetite
1998T-148	403100.47	6012742.50	0.54	0.04	0.09	92.36	0.00	0.05	0.02	0.34	0.15	93.59	magnetite
1998T-148	403100.47	6012742.50	2.01	0.00	0.02	46.38	0.00	52.14	0.03	0.03	0.19	100.80	ilmenite
1998T-148	403100.47	6012742.50	0.08	0.06	0.10	93.62	0.00	0.04	0.05	0.07	0.18	94.20	magnetite
1998T-148	403100.47	6012742.50	1.88	0.02	0.02	46.67	0.00	51.68	0.04	0.03	0.16	100.49	ilmenite
1998T-148	403100.47	6012742.50	1.95	0.06	0.04	46.53	0.00	52.71	0.02	0.03	0.03	101.38	ilmenite
1998T-149	401935.00	6012422.00	0.14	0.07	55.41	13.31	25.77	0.64	0.04	0.05	2.29	97.73	staurolite
1998T-151	399476.00	6015250.00	0.13	0.06	0.04	94.32	0.00	0.04	0.04	0.03	0.08	94.74	magnetite
1998T-151	399476.00	6015250.00	0.31	0.05	0.11	92.79	0.00	0.09	0.05	0.03	0.12	93.55	magnetite
1998T-153	394104.00	6017050.00	0.33	0.01	0.13	34.66	0.00	52.89	0.03	0.73	10.71	99.48	magnesian ilmenite
1998T-153	394104.00	6017050.00	0.29	0.04	16.11	17.79	0.13	0.55	0.10	51.86	14.17	101.04	Cr-spinel
1998T-153	394104.00	6017050.00	0.47	0.02	0.29	68.29	0.00	2.58	0.03	24.64	1.36	97.70	Cr-spinel
1998T-154	406616.34	6011560.50	0.44	0.09	18.48	7.50	40.14	0.35	5.78	7.23	19.54	99.55	titanian Cr-pyrope (G11)
1998T-154	406616.34	6011560.50	23.07	0.10	21.17	18.54	35.07	0.29	1.25	0.06	0.48	100.03	spessartite
1998T-154	406616.34	6011560.50	0.05	0.11	0.10	93.30	0.00	0.09	0.04	0.07	0.12	93.88	magnetite
1998T-154	406616.34	6011560.50	0.11	0.07	0.22	93.45	0.00	0.05	0.04	0.06	0.09	94.10	magnetite
1998T-156	404389.38	6010246.50	0.50	0.06	21.48	8.14	40.75	0.06	4.63	3.98	20.64	100.24	non-titanian Cr-pyrope (G9)
1998T-156	404389.38	6010246.50	5.22	0.09	0.05	43.59	0.00	51.70	0.03	0.02	0.41	101.11	ilmenite
1998T-160	390377.00	6020623.00	0.81	0.11	0.70	53.51	0.10	1.15	0.13	39.87	2.34	98.74	Cr-spinel
1998T-163	388677.00	6018912.00	0.61	0.03	0.35	63.08	0.08	2.49	0.13	29.56	1.51	97.83	Cr-spinel
1998T-163	388677.00	6018912.00	0.15	0.07	0.05	93.51	0.00	0.03	0.04	0.14	0.03	94.04	magnetite
1998T-163	388677.00	6018912.00	0.64	0.08	1.65	53.07	0.06	0.77	0.14	39.33	1.83	97.57	Cr-spinel
1998T-163	388677.00	6018912.00	0.88	0.05	0.96	51.79	0.08	1.16	0.13	40.10	3.66	98.80	Cr-spinel
1998T-163	388677.00	6018912.00	0.71	0.04	0.40	61.42	0.08	2.60	0.14	31.63	1.61	98.63	Cr-spinel
1998T-163	388677.00	6018912.00	1.46	0.09	0.34	62.29	0.08	2.04	0.13	31.06	0.55	98.04	Cr-spinel
1998T-163	388677.00	6018912.00	0.14	0.35	0.05	93.90	0.01	0.05	0.05	0.21	0.25	95.00	magnetite
1998T-163	388677.00	6018912.00	0.85	0.12	1.22	54.06	0.07	1.65	0.13	38.74	2.34	99.17	Cr-spinel
1998T-163	388677.00	6018912.00	0.56	0.03	0.34	66.66	0.00	2.23	0.03	25.15	1.39	96.39	Cr-spinel
1998T-163	388677.00	6018912.00	0.09	0.15	0.01	91.98	0.00	0.01	0.04	0.09	0.05	92.43	magnetite
1998T-163	388677.00	6018912.00	0.15	0.03	0.01	93.08	0.00	0.03	0.04	0.13	0.05	93.51	magnetite
1998T-164	386509.00	6018460.00	0.31	0.06	0.20	30.98	0.00	53.16	0.02	3.02	12.37	100.13	magnesian ilmenite
1998T-167	384775.00	6020830.00	3.10	0.06	21.33	32.49	36.69	0.25	5.73	0.08	1.70	101.44	garnet
1998T-167	384775.00	6020830.00	0.35	0.02	13.91	23.59	0.04	0.61	0.10	51.27	9.62	99.51	Cr-spinel
1998T-167	384775.00	6020830.00	0.36	0.24	2.02	21.52	30.09	11.31	31.86	0.10	0.96	98.45	Fe-Ti oxide
1998T-167	384775.00	6020830.00	0.93	0.14	1.71	52.11	0.05	0.65	0.14	41.53	1.33	98.58	Cr-spinel
1998T-167	384775.00	6020830.00	0.77	0.06	1.32	53.31	0.18	2.33	0.13	37.84	2.90	98.84	Cr-spinel
1998T-168	389115.00	6015922.00	0.05	0.01	53.71	13.51	25.37	0.67	0.05	0.06	2.18	95.61	staurolite
1998T-168	389115.00	6015922.00	0.41	0.03	0.03	33.25	0.00	51.03	0.00	3.61	11.12	99.49	magnesian ilmenite
1998T-168	389115.00	6015922.00	0.19	0.10	0.06	92.50	0.00	0.13	0.05	0.18	0.15	93.36	magnetite
1998T-168	389115.00	6015922.00	0.60	0.03	0.02	92.85	0.00	0.05	0.04	0.36	0.00	93.95	magnetite
1998T-170	384273.00	6016794.00	0.10	0.06	0.14	93.58	0.00	0.08	0.04	0.06	0.01	94.07	magnetite
1998T-172	385394.00	6015986.00	0.11	0.04	0.11	93.22	0.00	0.06	0.03	0.09	0.04	93.72	magnetite
1998T-172	385394.00	6015986.00	1.63	0.80	14.24	32.27	0.07	1.12	0.11	42.85	0.26	93.36	Cr-spinel
1998T-172	385394.00	6015986.00	0.22	0.06	0.84	92.95	0.00	0.13	0.03	0.19	0.13	94.55	magnetite
1998T-172	385394.00	6015986.00	1.36	0.22	15.15	30.93	0.06	0.37	0.12	47.91	3.81	99.92	Cr-spinel
1998T-173	387942.00	6015283.00	0.09	0.08	0.05	94.18	0.01	0.05	0.04	0.11	0.00	94.60	magnetite
1998T-174	394375.00	6012910.00	0.52	0.11	0.26	69.51	0.00	1.55	0.02	24.88	1.23	98.07	Cr-spinel
1998T-176	390369.00	6014784.00	0.08	0.10	0.08	93.78	0.00	0.10	0.03	0.03	0.08	94.29	magnetite
1998T-176	390369.00	6014784.00	0.08	0.05	0.07	91.69	0.00	0.04	0.05	0.07	0.13	92.17	magnetite
1998T-178	390369.00	6014784.00	0.24	0.00	0.00	93.16	0.00	0.01	0.04	0.03	0.03	93.51	magnetite
1998T-180	324945.91	6041004.00	0.09	0.03	0.02	93.02	0.00	0.04	0.06	0.06	0.05	93.39	magnetite
1998T-180	324945.91	6041004.00	0.42	0.01	15.75	22.77	0.06	0.60	0.09	50.09	11.20	101.00	Cr-spinel
1998T-180	324945.91	6041004.00	0.30	0.04	0.00	93.01	0.01	0.03	0.04	0.07	0.02	93.51	magnetite
1998T-180	324945.91	6041004.00	0.09	0.07	0.04	93.27	0.00	0.03	0.05	0.15	0.00	93.70	magnetite
1998T-180	324945.91	6041004.00	0.04	0.01	0.04	93.12	0.00	0.06	0.04	0.05	0.08	93.44	magnetite
1998T-180	324945.91	6041004.00	0.04	0.14	0.06	92.70	0.00	0.11	0.05	0.07	0.01	93.19	magnetite
1998T-180	324945.91	6041004.00	0.22	0.10	0.64	31.50	0.00	53.22	0.04	0.74	13.26	99.72	magnesian ilmenite
1998T-180	324945.91	6041004.00	0.36	0.01	0.10	33.69	0.00	50.86	0.01	3.24	10.73	98.99	magnesian ilmenite
1998T-181	326531.88	6040989.00	0.30	0.08	0.34	30.42	0.00	52.94	0.02	2.78	13.04	99.92	magnesian ilmenite
1998T-181	326531.88	6040989.00	0.11	0.09	0.10	93.36	0.00	0.07	0.05	0.03	0.03	93.84	magnetite
1998T-181	326531.88	6040989.00	0.34	0.05	13.47	31.25	0.18	3.43	0.10	36.35	13.28	98.46	Cr-spinel
1998T-184	326621.81	6038449.00	0.44	0.04	18.79	7.39	40.35	0.17	5.74	6.69	20.25	99.87	non-titanian Cr-pyrope (G9)
1998T-184	326621.81	6038449.00	0.46	0.00	23.07	20.35	38.54	0.24	6.69	0.08	11.68	101.10	garnet
1998T-184	326621.81	6038449.00	0.32	0.00	0.09	39.66	0.00	47.26	0.01	2.86	8.58	98.79	magnesian ilmenite
1998T-184	326621.81	6038449.00	0.06	0.02	0.08	92.89	0.00	0.08	0.06	0.02	0.14	93.35	magnetite
1998T-184	326621.81	6038449.00	0.50	0.13	14.46	25.12	0.08	0.42	0.10	53.44	7.03	101.30	Cr-spinel
1998T-184	326621.81	6038449.00	0.06	0.11	0.04	93.09	0.00	0.02	0.04	0.10	0.00	93.45	magnetite

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
1998T-184	326621.81	6038449.00	0.12	0.02	0.05	93.64	0.00	0.01	0.04	0.09	0.00	93.97	magnetite
1998T-184	326621.81	6038449.00	0.09	0.00	0.03	92.94	0.00	0.04	0.05	0.06	0.03	93.24	magnetite
1998T-184	326621.81	6038449.00	0.12	0.00	0.00	92.91	0.07	0.00	0.04	0.15	0.02	93.31	magnetite
1998T-184	326621.81	6038449.00	0.16	0.02	0.04	92.57	0.00	0.01	0.03	0.04	0.00	92.89	magnetite
1998T-184	326621.81	6038449.00	0.11	0.05	0.11	93.04	0.04	0.06	0.05	0.05	0.09	93.58	magnetite
1998T-184	326621.81	6038449.00	0.13	0.08	0.10	92.96	0.00	0.02	0.04	0.03	0.03	93.39	magnetite
1998T-184	326621.81	6038449.00	0.14	0.05	0.09	92.58	0.00	0.03	0.05	0.01	0.06	93.02	magnetite
1998T-184	326621.81	6038449.00	0.54	0.15	19.60	7.60	41.18	0.08	6.05	6.69	18.35	100.23	non-titanian Cr-pyrope (G9)
1998T-187	336615.72	6041557.00	0.41	0.05	0.28	39.61	0.00	49.86	0.06	0.05	9.49	99.81	magnesian ilmenite
1998T-189	350083.38	6040090.00	21.57	0.05	20.93	20.10	35.83	0.14	0.45	0.08	1.24	100.39	spessartite
1998T-189	350083.38	6040090.00	0.20	0.04	0.09	93.55	0.00	0.01	0.04	0.11	0.05	94.08	magnetite
1998T-190	346618.44	6039718.00	0.04	0.07	0.23	93.14	0.00	0.41	0.03	0.06	0.01	93.99	magnetite
1998T-190	346618.44	6039718.00	0.07	0.01	0.05	93.63	0.00	0.07	0.03	0.06	0.01	93.93	magnetite
1998T-190	346618.44	6039718.00	0.42	0.00	8.76	38.50	0.09	5.11	0.11	37.39	9.82	100.20	Cr-spinel
1998T-190	346618.44	6039718.00	0.32	0.08	0.13	92.70	0.00	0.09	0.04	0.06	0.06	93.48	magnetite
1998T-190	346618.44	6039718.00	0.06	0.13	0.09	93.36	0.00	0.03	0.04	0.04	0.02	93.77	magnetite
1998T-191	348726.41	6040743.00	0.35	0.09	18.33	7.82	40.20	0.44	5.37	6.68	20.29	99.57	titanian Cr-pyrope (G11)
1998T-191	348726.41	6040743.00	7.55	0.01	20.81	15.82	37.18	0.45	18.23	0.09	0.23	100.37	garnet
1998T-191	348726.41	6040743.00	0.25	0.03	0.44	43.34	0.00	46.16	0.03	0.81	7.53	98.58	magnesian ilmenite
1998T-192	347772.47	6041683.00	0.56	0.03	0.06	46.58	0.00	47.87	0.03	0.24	4.89	100.25	ilmenite
1998T-192	347772.47	6041683.00	0.37	0.08	0.03	43.46	0.00	45.22	0.01	2.50	6.76	98.43	magnesian ilmenite
1998T-192	347772.47	6041683.00	0.12	0.41	0.81	2.91	53.09	0.38	23.15	1.14	17.41	99.42	Cr-diopside
1998T-192	347772.47	6041683.00	0.36	0.06	0.06	43.41	0.00	44.60	0.02	2.18	6.52	97.22	magnesian ilmenite
1998T-193	345860.50	6041687.00	0.34	0.05	7.68	27.19	0.10	3.41	0.11	47.95	13.51	100.35	magnesian ilmenite
1998T-193	345860.50	6041687.00	0.09	0.13	0.23	92.71	0.00	0.11	0.05	0.06	0.10	93.48	magnetite
1998T-193	345860.50	6041687.00	0.14	0.12	0.14	93.11	0.01	0.12	0.05	0.08	0.00	93.78	magnetite
1998T-193	345860.50	6041687.00	0.06	0.01	0.10	93.47	0.00	0.10	0.04	0.03	0.03	93.85	magnetite
1998T-193	345860.50	6041687.00	0.11	0.00	0.07	93.12	0.00	0.08	0.09	0.08	0.11	93.67	magnetite
1998T-193	345860.50	6041687.00	0.11	0.00	0.22	93.39	0.00	0.08	0.06	0.03	0.08	93.97	magnetite
1998T-193	345860.50	6041687.00	0.09	0.01	0.17	92.77	0.00	0.11	0.05	0.07	0.09	93.35	magnetite
1998T-193	345860.50	6041687.00	0.09	0.10	0.17	92.69	0.00	0.10	0.04	0.07	0.06	93.32	magnetite
1998T-193	345860.50	6041687.00	1.38	0.06	1.28	82.20	9.40	3.25	0.22	0.01	0.36	98.15	magnetite
1998T-193	345860.50	6041687.00	0.07	0.00	0.12	92.43	0.00	0.13	0.05	0.05	0.15	93.00	magnetite
1998T-193	345860.50	6041687.00	0.13	0.04	0.00	93.30	0.00	0.00	0.04	0.05	0.02	93.58	magnetite
1998T-193	345860.50	6041687.00	0.09	0.05	0.15	93.15	0.00	0.07	0.07	0.07	0.08	93.73	magnetite
1998T-193	345860.50	6041687.00	0.10	0.13	0.15	93.37	0.00	0.12	0.07	0.07	0.03	94.05	magnetite
1998T-193	345860.50	6041687.00	0.07	0.07	0.07	93.07	0.00	0.04	0.03	0.05	0.00	93.41	magnetite
1998T-193	345860.50	6041687.00	0.17	0.04	0.01	93.25	0.00	0.04	0.03	0.39	0.02	93.96	magnetite
1998T-193	345860.50	6041687.00	0.23	0.00	0.16	92.43	0.00	0.13	0.05	0.07	0.12	93.19	magnetite
1998T-193	345860.50	6041687.00	0.11	0.21	0.19	93.25	0.00	0.11	0.06	0.08	0.11	94.11	magnetite
1998T-193	345860.50	6041687.00	0.14	0.07	0.17	92.82	0.00	0.11	0.06	0.07	0.02	93.45	magnetite
1998T-193	345860.50	6041687.00	0.14	0.05	0.56	92.57	0.37	0.10	0.37	0.05	0.06	94.26	magnetite
1998T-193	345860.50	6041687.00	0.07	0.09	0.07	92.50	0.00	0.10	0.04	0.60	0.02	93.49	magnetite
1998T-193	345860.50	6041687.00	0.13	0.02	0.16	93.03	0.00	0.11	0.03	0.06	0.09	93.62	magnetite
1998T-193	345860.50	6041687.00	0.56	0.06	16.30	16.92	0.04	0.23	0.06	52.52	13.70	100.40	Cr-spinel
1998T-193	345860.50	6041687.00	0.11	0.01	0.24	93.18	0.01	0.11	0.05	0.06	0.08	93.86	magnetite
1998T-193	345860.50	6041687.00	0.15	0.09	0.16	93.12	0.00	0.09	0.06	0.06	0.07	93.79	magnetite
1998T-193	345860.50	6041687.00	0.05	0.04	0.25	92.73	0.00	0.15	0.05	0.06	0.05	93.39	magnetite
1998T-193	345860.50	6041687.00	0.12	0.00	0.20	93.30	0.00	0.05	0.03	0.05	0.02	93.78	magnetite
1998T-193	345860.50	6041687.00	0.14	0.06	0.21	93.19	0.00	0.12	0.05	0.08	0.00	93.86	magnetite
1998T-193	345860.50	6041687.00	0.13	0.12	0.22	92.53	0.00	0.12	0.10	0.06	0.06	93.35	magnetite
1998T-193	345860.50	6041687.00	0.26	0.10	0.44	92.76	0.00	0.30	0.03	0.17	0.03	94.08	magnetite
1998T-193	345860.50	6041687.00	0.12	0.11	0.08	93.06	0.00	0.05	0.05	0.05	0.00	93.52	magnetite
1998T-193	345860.50	6041687.00	0.11	0.06	0.17	92.40	0.00	0.10	0.06	0.07	0.05	93.02	magnetite
1998T-193	345860.50	6041687.00	0.08	0.00	0.14	92.98	0.00	0.08	0.05	0.10	0.13	93.56	magnetite
1998T-193	345860.50	6041687.00	0.07	0.02	0.18	92.97	0.00	0.11	0.03	0.06	0.06	93.49	magnetite
1998T-193	345860.50	6041687.00	0.16	0.04	0.14	93.11	0.00	0.10	0.03	0.06	0.02	93.67	magnetite
1998T-193	345860.50	6041687.00	0.22	0.09	0.11	93.05	0.00	0.04	0.05	0.03	0.11	93.69	magnetite
1998T-193	345860.50	6041687.00	0.10	0.04	0.09	93.03	0.00	0.02	0.05	0.07	0.00	93.41	magnetite
1998T-193	345860.50	6041687.00	0.08	0.00	0.12	93.51	0.00	0.06	0.04	0.05	0.05	93.91	magnetite
1998T-193	345860.50	6041687.00	0.10	0.04	0.23	93.03	0.00	0.13	0.04	0.06	0.09	93.71	magnetite
1998T-193	345860.50	6041687.00	0.08	0.02	0.12	93.03	0.00	0.08	0.06	0.05	0.01	93.45	magnetite
1998T-193	345860.50	6041687.00	0.10	0.00	0.05	92.97	0.00	0.06	0.05	0.15	0.03	93.41	magnetite
1998T-193	345860.50	6041687.00	0.11	0.10	0.22	93.49	0.00	0.10	0.03	0.09	0.06	94.20	magnetite
1998T-193	345860.50	6041687.00	0.08	0.06	0.23	92.77	0.01	0.09	0.04	0.05	0.14	93.47	magnetite
1998T-193	345860.50	6041687.00	0.15	0.19	0.24	92.85	0.02	0.11	0.03	0.07	0.05	93.70	magnetite
1998T-193	345860.50	6041687.00	0.07	0.11	0.19	92.41	0.00	0.06	0.04	0.06	0.02	92.95	magnetite
1998T-193	345860.50	6041687.00	0.14	0.04	0.09	92.78	0.00	0.13	0.05	0.07	0.04	93.35	magnetite
1998T-194	355771.22	6040295.50	0.58	0.09	19.06	8.10	40.28	0.28	5.50	6.80	19.33	100.01	non-titanian Cr-pyrope (G9)
1998T-194	355771.22	6040295.50	0.25	0.06	0.30	93.16	0.00	0.03	0.03	0.02	0.03	93.88	magnetite
1998T-194	355771.22	6040295.50	0.14	0.10	0.08	92.78	0.00	0.04	0.06	0.02	0.02	93.24	magnetite
1998T-194	355771.22	6040295.50	0.15	0.11	0.03	93.57	0.00	0.01	0.03	0.03	0.05	93.98	magnetite
1998T-196	344776.50	6040524.00	0.10	0.00	0.12	92.97	0.00	0.07	0.02	0.05	0.12	93.46	magnetite
1998T-196	344776.50	6040524.00	0.06	0.07	0.08	93.35	0.00	0.06	0.03	0.05	0.03	93.74	magnetite
1998T-196	344776.50	6040524.00	0.11	0.03	0.14	92.45	0.00	0.10	0.05	0.06	0.08	93.02	magnetite
1998T-197	344483.53	6041202.00	0.11	0.00	0.13	92.87	0.00	0.00	0.05	0.12	0.06	93.35	magnetite
1998T-197	344483.53	6041202.00	0.12	0.04	0.03	92.95	0.00	0.03	0.02	0.10	0.08	93.38	magnetite
1998T-197	344483.53	6041202.00	0.07	0.04	0.03	93.15	0.00	0.06	0.03	0.12	0.04	93.53	magnetite
1998T-197	344483.53	6041202.00	0.44	0.05	18.08	24.54	0.04	0.25	0.10	46.76	8.51	100.78	Cr-spinel
1998T-197	344483.53	6041202.00	0.11	0.06	0.07	92.98	0.01	0.10	0.03	0.02	0.00	93.39	magnetite
1998T-198	343762.53	6040329.00	0.04	0.09	54.85	11.73	25.40	0.72	0.04	0.06	1.55	94.47	staurolite

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
1998T-205	337801.72	6042848.00	0.16	0.16	0.07	93.59	0.00	0.06	0.06	0.06	0.00	94.15	magnetite
1998T-205	337801.72	6042848.00	0.06	0.04	0.09	93.48	0.00	0.05	0.04	0.03	0.02	93.81	magnetite
1998T-205	337801.72	6042848.00	0.03	0.09	0.02	93.30	0.00	0.02	0.02	0.10	0.00	93.60	magnetite
1998T-205	337801.72	6042848.00	0.18	0.02	0.10	93.12	0.00	0.08	0.05	0.06	0.04	93.65	magnetite
1998T-206	338357.66	6040821.00	0.29	0.07	0.04	93.15	0.00	0.02	0.04	0.05	0.05	93.70	magnetite
1998T-206	338357.66	6040821.00	0.31	0.03	0.21	32.54	0.00	51.42	0.00	2.95	11.54	99.01	magnesian ilmenite
1998T-207	340633.63	6041136.00	0.34	0.07	7.57	27.09	0.13	3.30	0.11	47.97	13.39	99.98	Cr-spinel
1998T-208	339675.63	6041192.00	0.47	0.13	0.07	34.28	0.00	50.21	0.02	3.55	10.81	99.55	magnesian ilmenite
1998T-208	339675.63	6041192.00	0.70	0.07	4.07	49.62	0.07	0.82	0.12	40.12	3.65	99.25	Cr-spinel
1998T-208	339675.63	6041192.00	0.28	0.00	14.05	27.17	0.12	2.55	0.10	41.62	14.04	99.93	Cr-spinel
1998T-208	339675.63	6041192.00	0.13	0.07	0.13	93.69	0.00	0.10	0.03	0.03	0.11	94.29	magnetite
1999T-2	379928.11	6087059.58	1.44	0.04	0.00	48.85	0.00	48.84	0.00	0.00	0.00	99.17	ilmenite
1999T-2	379928.11	6087059.58	0.24	0.10	0.06	42.64	0.00	46.34	0.00	2.99	7.39	99.77	magnesian ilmenite
1999T-5	386340.97	6060776.00	1.09	0.00	6.41	32.86	0.00	0.10	0.00	56.63	2.77	99.85	ilmenite
1999T-5	386340.97	6060776.00	0.22	0.21	0.09	37.37	0.00	51.02	0.00	0.03	10.74	99.67	magnesian ilmenite
1999T-5	386340.97	6060776.00	0.33	0.02	18.21	36.11	0.00	0.32	0.00	35.69	7.33	98.01	Cr-spinel
1999T-5	386340.97	6060776.00	0.58	0.00	2.29	49.92	0.00	0.39	0.00	42.64	2.22	98.03	Cr-spinel
1999T-5	386340.97	6060776.00	0.14	0.09	44.82	15.30	0.00	0.07	0.00	22.37	18.39	101.16	Cr-spinel
1999T-8	381843.70	6085393.08	0.28	0.00	0.00	93.29	0.00	0.04	0.00	0.00	0.00	93.62	magnetite
1999T-10	380814.98	6083990.92	0.16	0.00	23.13	18.40	0.00	0.08	0.00	45.62	13.66	101.05	Cr-spinel
1999T-12	384139.45	6089907.45	0.31	0.05	0.00	32.17	0.00	49.86	0.00	5.14	13.44	100.97	magnesian ilmenite
1999T-13	385120.09	6089836.36	0.38	0.13	21.19	7.61	40.98	0.25	4.59	4.05	20.73	99.92	non-titanian Cr-pyrope (G9)
1999T-13	385120.09	6089836.36	0.15	0.13	0.00	32.28	0.00	50.98	0.00	4.05	11.47	99.06	magnesian ilmenite
1999T-14	386060.67	6089790.62	0.07	0.13	0.15	31.46	0.00	53.00	0.00	2.55	12.43	99.80	magnesian ilmenite
1999T-15	385609.68	6088356.80	0.33	0.08	0.00	35.07	0.00	49.39	0.00	2.93	10.06	97.86	magnesian ilmenite
1999T-15	385609.68	6088356.80	0.28	0.02	0.12	32.32	0.00	52.66	0.00	2.69	11.19	99.27	magnesian ilmenite
1999T-18	384402.98	6085799.86	0.30	0.10	18.83	8.08	41.49	0.34	5.01	6.53	20.44	101.12	non-titanian Cr-pyrope (G10)
1999T-18	384402.98	6085799.86	0.44	0.06	22.20	23.10	39.24	0.16	6.63	0.15	9.06	101.04	eclogitic garnet
1999T-18	384402.98	6085799.86	1.43	0.11	6.57	34.62	0.00	0.18	0.00	56.19	1.33	100.42	ilmenite
1999T-18	384402.98	6085799.86	0.23	0.04	0.00	41.91	0.00	45.65	0.00	3.08	7.80	98.70	magnesian ilmenite
1999T-18	384402.98	6085799.86	0.24	0.23	0.01	32.68	0.00	52.32	0.00	2.33	11.29	99.09	magnesian ilmenite
1999T-18	384402.98	6085799.86	0.18	0.28	0.25	40.39	0.00	50.56	0.00	0.23	8.22	100.11	magnesian ilmenite
1999T-18	384402.98	6085799.86	0.41	0.15	0.00	36.62	0.00	50.15	0.00	0.43	11.17	98.94	magnesian ilmenite
1999T-19	383518.94	6085591.65	0.07	0.01	14.46	15.93	0.00	0.33	0.00	56.02	13.63	100.45	Cr-spinel
1999T-27	388381.58	6088845.50	0.26	0.09	0.00	33.02	0.00	50.81	0.00	3.35	12.32	99.86	magnesian ilmenite
1999T-27	388381.58	6088845.50	0.49	0.20	0.11	39.39	0.00	49.51	0.01	0.39	9.09	99.19	magnesian ilmenite
1999T-32	389281.25	6087309.72	0.27	0.10	21.78	16.55	0.00	0.19	0.00	47.85	14.41	101.14	Cr-spinel
1999T-33	387035.08	6086978.20	0.59	0.19	22.04	13.77	39.61	0.67	4.71	0.08	17.04	98.70	eclogitic garnet
1999T-36	390299.61	6087715.51	0.14	0.02	8.04	22.26	0.01	2.20	0.00	51.70	15.84	100.20	Cr-spinel
1999T-36	390299.61	6087715.51	0.13	0.09	8.80	24.73	0.00	3.67	0.00	47.30	15.47	100.20	Cr-spinel
1999T-39	392898.97	6086971.53	0.28	0.05	0.00	31.31	0.00	50.92	0.00	3.81	12.71	99.08	magnesian ilmenite
1999T-40	392559.91	6086340.04	0.42	0.11	6.06	45.71	0.00	0.61	0.00	42.82	3.82	99.55	Cr-spinel
1999T-44	389261.00	6083667.72	0.13	0.25	0.00	47.16	0.00	50.94	0.00	0.01	0.64	99.13	ilmenite
1999T-44	389261.00	6083667.72	0.05	0.18	10.46	34.21	0.00	5.87	0.00	38.19	10.78	99.73	Cr-spinel
1999T-46	385883.41	6083393.71	0.15	0.04	0.91	30.79	0.00	53.91	0.00	0.82	13.72	100.32	magnesian ilmenite
1999T-46	385883.41	6083393.71	0.37	0.33	15.92	25.42	0.00	1.00	0.00	49.56	7.21	99.80	magnesian ilmenite
1999T-46	385883.41	6083393.71	1.24	0.13	0.00	50.47	0.00	48.15	0.00	0.00	0.07	100.05	ilmenite
1999T-46	385883.41	6083393.71	0.20	0.00	0.25	30.53	0.00	51.92	0.00	2.62	12.68	98.19	magnesian ilmenite
1999T-46	385883.41	6083393.71	0.21	0.00	7.84	26.94	0.00	3.00	0.00	48.43	13.69	100.12	magnesian ilmenite
1999T-48	383904.64	6082648.05	0.24	0.12	21.30	8.04	40.50	0.15	5.16	3.34	19.87	98.73	non-titanian Cr-pyrope (G9)
1999T-48	383904.64	6082648.05	0.32	0.13	19.36	6.74	40.84	0.39	4.71	5.45	20.87	98.82	non-titanian Cr-pyrope (G10)
1999T-48	383904.64	6082648.05	2.39	0.02	0.00	46.67	0.00	51.97	0.00	0.00	0.21	101.26	ilmenite
1999T-51	385816.88	6087616.81	0.35	0.05	20.03	7.31	41.37	0.10	4.73	5.05	20.23	99.22	non-titanian Cr-pyrope (G10)
1999T-51	385816.88	6087616.81	1.87	0.04	0.00	50.10	0.00	46.88	0.00	0.00	0.18	99.07	ilmenite
1999T-52	382575.20	6088407.01	2.23	0.00	0.00	47.74	0.00	49.08	0.00	0.00	0.44	99.49	ilmenite
1999T-54	380446.70	6088630.40	0.23	0.15	0.00	34.20	0.00	51.29	0.00	2.97	11.06	99.91	magnesian ilmenite
1999T-57	380747.02	6088073.86	0.43	0.00	0.11	74.30	0.00	16.43	0.09	0.00	0.00	91.36	Fe-Ti oxide
1999T-63	371851.38	6084985.15	0.34	0.05	20.76	7.72	41.21	0.07	4.69	4.55	20.56	99.94	non-titanian Cr-pyrope (G9)
1999T-65	371421.23	6083690.52	0.12	0.13	0.00	25.61	0.00	54.23	0.01	4.51	15.84	100.45	magnesian ilmenite
1999T-65	371421.23	6083690.52	0.24	0.06	0.04	35.16	0.00	50.17	0.00	3.86	9.81	99.34	magnesian ilmenite
1999T-65	371421.23	6083690.52	0.43	0.21	0.00	46.31	0.00	52.40	0.00	0.02	1.59	100.96	ilmenite
1999T-66	370239.75	6083375.40	0.31	0.13	19.00	6.60	39.08	0.17	5.76	7.48	21.38	99.91	non-titanian Cr-pyrope (G9)
1999T-66	370239.75	6083375.40	0.48	0.16	20.48	8.65	42.12	0.03	5.27	4.63	18.36	100.18	non-titanian Cr-pyrope (G9)
1999T-66	370239.75	6083375.40	0.40	0.07	0.00	31.87	0.00	51.22	0.00	3.81	11.34	98.71	magnesian ilmenite
1999T-68	378482.32	6086547.36	0.21	0.00	15.78	30.92	0.00	0.48	0.00	46.51	6.59	100.50	Cr-spinel
1999T-71	375594.28	6084702.04	0.43	0.13	18.13	7.40	40.84	0.19	5.25	8.06	20.88	101.31	non-titanian Cr-pyrope (G10)
1999T-71	375594.28	6084702.04	0.38	0.10	22.73	18.23	39.39	0.13	8.42	0.04	11.21	100.61	garnet
1999T-75	367566.14	6083452.59	0.16	0.00	35.34	14.65	0.00	0.29	0.00	32.05	18.49	100.98	Cr-spinel
1999T-76	366875.73	6082011.38	0.29	0.00	14.35	23.70	0.00	0.46	0.00	52.08	9.53	100.41	Cr-spinel
1999T-77	366237.10	6081599.59	0.22	0.15	8.41	29.67	0.06	4.51	0.00	42.76	13.93	99.72	Cr-spinel
1999T-77	366237.10	6081599.59	0.02	0.47	0.00	93.00	0.00	0.01	0.00	0.05	0.00	93.55	magnetite
1999T-80	371536.33	6081711.47	0.23	0.07	0.06	32.69	0.00	51.88	0.01	2.82	12.11	99.87	magnesian ilmenite
1999T-83	372026.99	6090288.56	23.73	0.30	20.92	17.97	35.84	0.10	0.23	0.05	0.65	99.80	spessartite
1999T-83	372026.99	6090288.56	0.15	0.12	20.08	7.15	41.72	0.40	4.69	5.96	20.76	101.03	non-titanian Cr-pyrope (G10)
1999T-83	372026.99	6090288.56	0.07	0.02	13.28	23.88	0.04	1.90	0.00	45.84	14.92	99.95	Cr-spinel
1999T-83	372026.99	6090288.56	0.25	0.02	8.10	33.43	0.00	4.26	0.00	40.89	10.29	97.23	Cr-spinel
1999T-84	370517.90	6089778.24	0.41	0.11	4.81	28.28	0.05	0.24	0.12	63.91	2.75	100.68	Cr-spinel
1999T-84	370517.90	6089778.24	0.21	0.03	16.51	14.43	0.00	0.27	0.00	54.05	14.70	100.20	Cr-spinel
1999T-84	370517.90	6089778.24	0.34	0.04	8.52	29.49	0.00	0.16	0.00	52.97	7.25	98.77	Cr-spinel
1999T-84	370517.90	6089778.24	0.42	0.18	12.60	26.40	0.00	0.25	0.00	53.32	7.10	100.26	Cr-spinel

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
1999T-85	370224.45	6088963.94	0.18	0.02	0.60	47.24	0.00	44.02	0.00	0.02	5.82	97.89	ilmenite
1999T-89	359762.87	6089860.45	0.12	0.04	0.11	33.16	0.00	53.15	0.00	2.41	10.72	99.70	magnesian ilmenite
1999T-89	359762.87	6089860.45	0.07	0.09	0.06	31.07	0.00	50.30	0.00	4.85	12.75	99.20	magnesian ilmenite
1999T-90	360419.16	6090713.89	0.13	0.02	0.01	40.65	0.00	48.31	0.00	0.89	7.87	97.88	magnesian ilmenite
1999T-91	367854.62	6089411.77	2.00	0.19	21.59	27.79	38.01	0.15	6.99	0.09	3.88	100.68	garnet
1999T-91	367854.62	6089411.77	0.11	0.07	0.07	31.77	0.00	52.75	0.00	3.33	11.96	100.07	magnesian ilmenite
1999T-94	361334.61	6088793.40	0.66	0.08	20.71	9.91	40.33	0.01	6.51	4.00	16.94	99.16	non-titanian Cr-pyrope (G7)
1999T-94	361334.61	6088793.40	0.21	0.16	6.91	28.05	0.00	3.84	0.00	45.56	14.30	99.03	Cr-spinel
1999T-97	361670.11	6088011.47	0.00	0.15	0.00	90.13	0.01	0.03	0.00	0.08	0.00	90.40	magnetite
1999T-97	361670.11	6088011.47	0.20	0.02	0.15	28.86	0.00	51.83	0.00	4.91	13.46	99.43	magnesian ilmenite
1999T-97	361670.11	6088011.47	0.18	0.14	0.00	42.20	0.00	48.22	0.00	0.58	7.22	98.56	magnesian ilmenite
1999T-100	365660.55	6089907.35	0.26	0.00	0.01	33.65	0.00	51.86	0.00	3.48	11.25	100.51	magnesian ilmenite
1999T-101	364004.46	6090265.61	0.38	0.02	0.00	41.16	0.00	47.67	0.00	2.53	7.73	99.48	magnesian ilmenite
1999T-101	364004.46	6090265.61	0.35	0.20	7.82	38.58	0.00	5.67	0.00	31.90	12.05	96.57	Cr-spinel
1999T-102	365042.73	6085719.91	0.23	0.13	0.06	30.63	0.00	52.75	0.00	2.46	14.05	100.31	magnesian ilmenite
1999T-102	365042.73	6085719.91	0.31	0.08	6.66	19.63	0.75	0.41	0.00	59.87	12.02	99.72	Cr-spinel
1999T-102	365042.73	6085719.91	0.30	0.21	15.31	26.51	0.00	0.58	0.00	45.66	11.07	99.63	Cr-spinel
1999T-104	365252.32	6088140.42	0.12	0.00	0.07	30.56	0.00	52.96	0.00	3.33	12.58	99.62	magnesian ilmenite
1999T-104	365252.32	6088140.42	1.39	0.49	9.14	34.65	0.00	0.85	0.00	51.56	0.42	98.50	Cr-spinel
1999T-104	365252.32	6088140.42	0.18	0.30	9.40	33.49	0.00	4.83	0.00	40.73	10.63	99.56	Cr-spinel
1999T-104	365252.32	6088140.42	1.32	0.48	7.77	34.78	0.00	0.63	0.00	52.78	0.15	97.91	Cr-spinel
1999T-104	365252.32	6088140.42	1.41	0.35	7.55	34.69	0.07	0.85	0.07	52.83	0.23	98.05	Cr-spinel
1999T-104	365252.32	6088140.42	1.48	0.63	7.83	35.43	0.00	0.60	0.00	53.80	0.39	100.17	Cr-spinel
1999T-104	365252.32	6088140.42	1.38	0.43	7.41	35.20	0.00	0.64	0.00	53.79	0.33	99.17	Cr-spinel
1999T-104	365252.32	6088140.42	1.32	0.41	8.45	35.41	0.00	0.74	0.00	53.54	0.39	100.26	Cr-spinel
1999T-104	365252.32	6088140.42	1.47	0.22	7.63	34.97	0.00	0.56	0.00	55.18	0.18	100.22	Cr-spinel
1999T-104	365252.32	6088140.42	1.36	0.37	7.91	35.19	0.00	0.63	0.00	52.88	0.80	99.15	Cr-spinel
1999T-104	365252.32	6088140.42	1.56	0.11	8.31	35.12	0.00	0.67	0.00	53.63	0.30	99.69	Cr-spinel
1999T-104	365252.32	6088140.42	1.50	0.54	7.87	35.50	0.03	0.63	0.00	53.46	0.36	99.89	Cr-spinel
1999T-104	365252.32	6088140.42	1.32	0.19	9.25	35.59	0.00	0.76	0.00	52.58	0.21	99.90	Cr-spinel
1999T-104	365252.32	6088140.42	1.76	0.54	7.93	34.59	0.00	0.73	0.00	54.38	0.18	100.11	Cr-spinel
1999T-104	365252.32	6088140.42	1.37	0.51	8.10	35.76	0.00	0.65	0.00	53.96	0.53	100.89	Cr-spinel
1999T-104	365252.32	6088140.42	1.49	0.32	8.22	34.72	0.00	0.61	0.00	53.31	0.09	98.76	Cr-spinel
1999T-104	365252.32	6088140.42	1.67	0.56	7.18	34.01	0.00	0.58	0.00	54.61	0.21	98.82	Cr-spinel
1999T-104	365252.32	6088140.42	1.43	0.24	8.11	34.43	0.05	0.80	0.12	52.16	0.40	97.74	Cr-spinel
1999T-104	365252.32	6088140.42	1.69	0.33	7.77	34.64	0.01	0.89	0.09	52.65	0.25	98.32	Cr-spinel
1999T-104	365252.32	6088140.42	1.68	0.30	6.86	34.20	0.14	0.71	0.09	53.89	0.43	98.31	Cr-spinel
1999T-104	365252.32	6088140.42	1.61	0.60	8.15	34.74	0.00	0.62	0.00	52.41	0.42	98.55	Cr-spinel
1999T-104	365252.32	6088140.42	0.09	0.14	17.29	15.36	0.00	0.33	0.00	53.12	14.68	101.00	Cr-spinel
1999T-104	365252.32	6088140.42	1.73	0.39	7.97	35.38	0.00	0.68	0.00	52.45	0.36	98.95	Cr-spinel
1999T-104	365252.32	6088140.42	1.52	0.06	7.58	35.75	0.00	0.66	0.00	52.58	0.18	98.33	Cr-spinel
1999T-104	365252.32	6088140.42	1.78	0.37	8.82	34.81	0.07	0.59	0.10	51.13	0.25	97.90	Cr-spinel
1999T-104	365252.32	6088140.42	1.63	0.17	7.88	34.28	0.01	0.63	0.10	52.74	0.49	97.94	Cr-spinel
1999T-104	365252.32	6088140.42	1.58	0.17	8.31	35.61	0.00	0.55	0.00	51.54	0.18	97.94	Cr-spinel
1999T-104	365252.32	6088140.42	1.51	0.43	7.26	34.21	0.00	0.65	0.00	53.83	0.51	98.40	Cr-spinel
1999T-104	365252.32	6088140.42	1.47	0.61	7.82	34.45	0.12	0.69	0.08	52.35	0.66	98.25	Cr-spinel
1999T-104	365252.32	6088140.42	1.50	0.32	7.89	35.48	0.00	0.68	0.00	53.70	0.21	99.78	Cr-spinel
1999T-109	368585.13	6084340.09	0.15	0.04	8.05	23.67	0.00	3.04	0.00	51.22	11.67	97.84	Cr-spinel
1999T-109	368585.13	6084340.09	0.15	0.00	14.86	24.08	0.00	0.58	0.00	51.09	10.22	100.97	Cr-spinel
1999T-112	373206.39	6082560.89	0.39	0.09	0.00	35.46	0.00	48.84	0.00	3.74	10.74	99.26	magnesian ilmenite
1999T-112	373206.39	6082560.89	0.21	0.09	0.00	32.47	0.00	52.64	0.00	2.70	12.43	100.55	magnesian ilmenite
1999T-112	373206.39	6082560.89	0.20	0.08	9.73	30.33	0.00	4.92	0.00	42.70	11.41	99.35	Cr-spinel
1999T-113	374372.83	6082434.83	0.31	0.17	0.00	34.68	0.00	49.71	0.00	3.57	10.14	98.57	magnesian ilmenite
1999T-113	374372.83	6082434.83	0.13	0.05	13.20	23.74	0.00	2.42	0.00	48.44	12.81	100.80	Cr-spinel
1999T-113	374372.83	6082434.83	0.30	0.21	17.83	17.11	0.00	0.21	0.00	50.58	13.81	100.04	Cr-spinel
1999T-115	376837.58	6083283.99	0.34	0.34	0.00	33.51	0.00	51.62	0.00	2.26	11.72	99.81	magnesian ilmenite
1999T-116	376836.61	6082259.30	0.22	0.09	0.25	30.44	0.00	52.81	0.00	2.81	13.07	99.69	magnesian ilmenite
1999T-124	362147.22	6090729.66	0.14	0.26	0.15	30.24	0.00	52.50	0.00	2.54	12.58	98.41	magnesian ilmenite
1999T-124	362147.22	6090729.66	0.13	0.20	0.13	31.78	0.00	52.31	0.00	3.31	12.73	100.61	magnesian ilmenite
1999T-124	362147.22	6090729.66	0.37	0.05	1.42	24.78	35.38	3.28	32.66	0.10	0.32	98.37	Fe-Ti oxide
1999T-124	362147.22	6090729.66	0.07	0.03	0.26	30.31	0.00	52.86	0.00	2.60	13.79	99.93	magnesian ilmenite
1999T-124	362147.22	6090729.66	0.19	0.15	0.21	32.00	0.00	52.09	0.00	2.64	12.27	99.56	magnesian ilmenite
1999T-124	362147.22	6090729.66	1.29	0.36	2.31	65.34	0.00	0.47	0.00	27.34	0.00	97.10	Cr-spinel
1999T-125	362574.30	6088793.60	0.17	0.00	0.02	30.76	0.00	53.29	0.00	2.67	11.75	98.66	magnesian ilmenite
1999T-134	353845.36	6085793.03	0.25	0.16	19.51	7.83	39.87	0.49	5.11	5.61	21.01	99.83	titanian Cr-pyrope (G11)
1999T-134	353845.36	6085793.03	0.23	0.00	12.32	45.43	0.00	0.59	0.00	35.36	5.54	99.47	Cr-spinel
1999T-134	353845.36	6085793.03	0.24	0.00	0.12	30.70	0.00	53.86	0.00	2.69	12.28	99.89	magnesian ilmenite
1999T-134	353845.36	6085793.03	0.21	0.00	11.01	23.45	0.08	2.84	0.00	49.82	13.26	100.67	Cr-spinel
1999T-135	354883.31	6084079.64	0.22	0.02	12.02	25.17	0.00	1.63	0.00	51.15	10.20	100.41	Cr-spinel
1999T-139	357564.78	6084160.24	0.44	0.17	21.12	7.48	39.35	0.13	5.94	5.62	20.26	100.51	non-titanian Cr-pyrope (G9)
1999T-140	363864.01	6082169.82	0.27	0.19	15.00	25.12	0.00	1.61	0.00	44.49	12.49	99.17	Cr-spinel
1999T-146	388300.25	6089844.48	0.22	0.06	0.06	37.03	0.00	50.20	0.00	1.34	9.91	98.81	magnesian ilmenite
1999T-146	388300.25	6089844.48	0.13	0.16	0.16	30.03	0.00	53.72	0.00	1.61	14.39	100.20	magnesian ilmenite
1999T-150	378340.48	6088920.71	0.30	0.28	16.92	7.56	40.62	0.22	5.76	8.65	20.43	100.75	non-titanian Cr-pyrope (G10)
1999T-150	378340.48	6088920.71	0.37	0.02	0.00	33.15	0.00	49.69	0.00	3.80	11.45	98.47	magnesian ilmenite
1999T-150	378340.48	6088920.71	0.22	0.00	0.05	34.05	0.00	50.92	0.00	3.05	11.68	99.97	magnesian ilmenite
1999T-151	379171.14	6087918.37	0.46	0.09	20.51	8.11	40.63	0.01	4.10	5.91	21.24	101.06	non-titanian Cr-pyrope (G10)
1999T-152	375414.93	6088856.96	0.02	0.00	0.37	39.35	0.00	48.34	0.00	0.64	10.29	99.01	magnesian ilmenite
1999T-154	376668.36	6087121.26	0.13	0.15	14.13	21.47	0.00	2.15	0.00	47.52	14.84	100.39	Cr-spinel
1999T-155	375877.60	6086516.58	0.09	0.31	2.51	21.14	28.52	12.75	31.46	0.03	1.17	97.99	Fe-Ti oxide
1999T-155	375877.60	6086516.58	0.26	0.06	0.00	35.70	0.00	51.12	0.00	2.21	10.54	99.89	magnesian ilmenite

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
1999T-157	372027.71	6087027.04	0.22	0.00	18.89	7.18	40.38	0.24	5.30	6.77	19.96	98.93	non-titanian Cr-pyrope (G9)
1999T-202	370612.18	6078749.88	0.31	0.06	0.06	35.11	0.00	49.65	0.00	4.11	10.34	99.65	magnesian ilmenite
1999T-202	370612.18	6078749.88	0.39	0.06	0.00	33.80	0.00	50.67	0.00	3.79	10.22	98.93	magnesian ilmenite
1999T-202	370612.18	6078749.88	0.37	0.27	0.04	33.26	0.00	50.70	0.00	3.70	11.64	99.97	magnesian ilmenite
1999T-203	369733.49	6079116.31	24.25	0.18	21.81	15.23	36.94	0.04	0.37	0.08	2.06	100.95	spessartite
1999T-205	367736.72	6078107.25	0.24	0.06	0.01	34.28	0.00	50.04	0.00	3.67	11.06	99.35	magnesian ilmenite
1999T-206	366185.42	6077629.58	0.25	0.02	0.05	34.30	0.00	50.19	0.00	3.66	12.08	100.56	magnesian ilmenite
1999T-207	370205.14	6080422.95	0.23	0.04	0.04	33.72	0.00	50.86	0.00	3.91	10.82	99.61	magnesian ilmenite
1999T-207	370205.14	6080422.95	0.31	0.06	0.00	37.74	0.00	48.49	0.00	3.04	9.62	99.24	magnesian ilmenite
1999T-208	365599.84	6076900.47	0.23	0.13	0.12	33.85	0.00	50.95	0.00	3.84	10.96	100.08	magnesian ilmenite
1999T-212	367569.80	6080402.33	0.40	0.06	19.25	7.33	40.03	0.19	5.71	8.16	20.30	101.44	non-titanian Cr-pyrope (G9)
1999T-212	367569.80	6080402.33	1.03	0.21	5.53	28.53	0.00	0.01	0.00	61.21	3.40	99.93	Cr-spinel
1999T-213	365183.13	6079542.10	0.08	0.00	34.23	14.45	0.00	0.39	0.00	31.09	18.23	98.47	Cr-spinel
1999T-213	365183.13	6079542.10	0.21	0.00	8.84	28.31	0.00	3.94	0.00	44.33	13.76	99.38	Cr-spinel
1999T-213	365183.13	6079542.10	0.19	0.23	8.56	27.36	0.00	6.82	0.00	42.96	14.08	100.20	Cr-spinel
1999T-214	360603.87	6076390.98	0.38	0.06	0.16	39.63	0.00	49.75	0.00	0.20	8.86	99.04	magnesian ilmenite
1999T-221	360246.41	6081552.52	0.38	0.20	19.06	7.66	40.49	0.43	5.50	7.24	19.80	100.77	titanian Cr-pyrope (G11)
1999T-230	355405.44	6076684.24	0.50	0.08	19.06	8.10	40.63	0.32	5.74	7.17	19.13	100.72	titanian Cr-pyrope (G11)
1999T-234	352085.67	6071913.45	0.21	0.00	12.62	22.14	0.00	2.16	0.00	48.41	15.07	100.61	Cr-spinel
1999T-235	352971.33	6071021.91	0.17	0.16	0.00	37.69	0.00	49.91	0.00	2.60	8.78	99.32	magnesian ilmenite
1999T-238	372452.18	6069244.38	0.14	0.23	0.00	33.90	0.00	51.21	0.00	2.93	11.29	99.70	magnesian ilmenite
1999T-238	372452.18	6069244.38	0.19	0.05	0.88	26.80	0.00	54.52	0.00	2.33	15.02	99.79	magnesian ilmenite
1999T-246	375209.93	6072610.07	0.13	0.00	0.00	34.85	0.00	49.97	0.00	3.48	10.69	99.12	magnesian ilmenite
1999T-252	370212.70	6077226.07	0.32	0.00	0.00	39.76	0.00	47.57	0.00	2.68	8.15	98.48	magnesian ilmenite
1999T-253	369727.62	6076391.19	0.37	0.37	0.00	36.95	0.00	49.04	0.00	3.54	9.48	99.75	magnesian ilmenite
1999T-253	369727.62	6076391.19	0.47	0.27	11.13	34.16	0.00	0.33	0.00	47.73	6.00	100.09	Cr-spinel
1999T-253	369727.62	6076391.19	0.33	0.28	9.20	36.98	0.00	4.86	0.00	37.96	10.03	99.63	Cr-spinel
1999T-254	369294.01	6075027.52	0.55	0.10	21.48	8.33	41.23	0.02	6.52	4.51	18.69	101.43	non-titanian Cr-pyrope (G7)
1999T-254	369294.01	6075027.52	0.27	0.18	18.36	7.82	39.73	0.30	5.64	7.27	19.69	99.25	titanian Cr-pyrope (G11)
1999T-254	369294.01	6075027.52	0.37	0.19	21.97	9.60	39.19	0.24	5.59	3.66	19.68	100.49	non-titanian Cr-pyrope (G9)
1999T-257	370578.92	6075052.05	0.22	0.19	0.00	33.66	0.00	51.85	0.00	2.80	10.56	99.28	magnesian ilmenite
1999T-257	370578.92	6075052.05	0.08	0.00	0.00	36.78	0.00	49.60	0.00	2.65	9.85	98.96	magnesian ilmenite
1999T-257	370578.92	6075052.05	0.20	0.00	16.07	26.82	0.00	2.27	0.00	40.61	13.13	99.10	Cr-spinel
1999T-257	370578.92	6075052.05	0.17	0.04	9.57	25.28	0.03	4.01	0.00	47.79	13.95	100.83	Cr-spinel
1999T-257	370578.92	6075052.05	0.29	0.00	18.38	17.24	0.00	0.27	0.00	49.91	13.65	99.73	Cr-spinel
1999T-257	370578.92	6075052.05	0.20	0.02	6.37	25.50	0.00	2.77	0.00	53.62	12.25	100.73	Cr-spinel
1999T-257	370578.92	6075052.05	0.34	0.00	17.25	25.47	0.00	0.41	0.00	45.57	11.03	100.07	Cr-spinel
1999T-261	360063.93	6069315.74	0.16	0.21	10.15	23.77	0.00	2.67	0.00	49.12	12.58	98.66	Cr-spinel
1999T-261	360063.93	6069315.74	0.28	0.01	15.80	17.35	0.00	0.29	0.00	54.67	12.95	101.36	Cr-spinel
1999T-261	360063.93	6069315.74	0.14	0.05	22.10	29.27	0.00	0.38	0.00	39.42	8.66	100.02	Cr-spinel
1999T-262	355969.59	6070935.17	0.40	0.10	21.40	8.41	40.85	0.05	5.76	4.45	18.77	100.18	non-titanian Cr-pyrope (G9)
1999T-265	361329.67	6072980.83	0.21	0.15	0.05	33.90	0.00	50.44	0.00	3.20	11.13	99.08	magnesian ilmenite
1999T-266	363559.03	6071022.97	0.34	0.00	9.03	30.79	0.00	4.94	0.00	39.77	14.49	99.38	Cr-spinel
1999T-267	377020.28	6069882.33	0.11	0.12	0.00	46.77	0.00	44.52	0.00	0.05	6.46	98.03	magnesian ilmenite
1999T-267	377020.28	6069882.33	0.22	0.12	10.47	30.46	0.00	3.50	0.00	43.17	11.41	99.35	Cr-spinel
1999T-269	376364.81	6071760.41	0.39	0.11	15.49	18.81	0.00	0.34	0.00	51.66	13.11	99.92	Cr-spinel
1999T-271	383858.83	6067703.50	0.19	0.23	17.02	7.05	40.41	0.20	6.71	9.09	18.77	99.67	non-titanian Cr-pyrope (G9)
1999T-273	380547.15	6070612.20	0.44	0.08	0.00	50.19	0.00	48.99	0.00	0.00	0.27	99.98	ilmenite
1999T-274	382955.22	6071800.72	2.28	0.26	6.97	37.06	0.00	0.23	0.00	51.27	0.18	98.25	Cr-spinel
1999T-277	386690.16	6081682.14	0.19	0.11	12.53	15.18	0.00	0.05	0.00	57.93	13.17	99.15	Cr-spinel
1999T-277	386690.16	6081682.14	0.08	0.00	20.23	13.32	0.00	0.25	0.00	48.17	16.51	98.55	Cr-spinel
1999T-277	386690.16	6081682.14	0.03	0.01	39.25	18.56	0.00	0.55	0.00	25.09	16.14	99.65	Cr-spinel
1999T-279	376310.70	6077007.87	0.14	0.10	18.49	7.53	40.10	0.45	4.95	6.41	21.13	99.31	non-titanian Cr-pyrope (G10)
1999T-279	376310.70	6077007.87	0.28	0.06	0.00	43.97	0.00	45.76	0.00	2.58	7.43	100.08	magnesian ilmenite
1999T-289	384447.42	6070035.32	0.14	0.00	29.18	14.36	0.01	0.57	0.07	36.82	16.53	97.69	Cr-spinel
1999T-292	372658.22	6079359.51	0.40	0.20	0.00	45.69	0.00	50.44	0.00	0.08	3.66	100.48	ilmenite
1999T-294	374312.89	6078921.40	30.53	0.10	21.39	12.48	35.41	0.19	1.14	0.05	0.00	101.30	garnet
1999T-294	374312.89	6078921.40	0.25	0.08	0.26	37.92	0.00	50.66	0.00	1.09	9.78	100.03	magnesian ilmenite
1999T-294	374312.89	6078921.40	0.26	0.00	17.79	14.53	0.00	0.20	0.00	53.75	13.96	100.49	Cr-spinel
1999T-294	374312.89	6078921.40	0.14	0.29	17.05	13.93	0.00	0.27	0.00	54.73	14.43	100.85	Cr-spinel
1999T-294	374312.89	6078921.40	0.42	0.31	5.04	45.74	0.00	0.30	0.00	43.08	3.97	98.86	Cr-spinel
1999T-295	375182.62	6078624.03	0.18	0.06	21.49	7.14	40.83	0.33	4.71	3.89	21.76	100.40	titanian Cr-pyrope (G11)
1999T-295	375182.62	6078624.03	0.35	0.00	2.62	23.53	0.00	2.25	0.00	59.96	9.72	98.44	Cr-spinel
1999T-300	383601.49	6081754.27	0.27	0.18	0.00	38.40	0.00	48.28	0.00	2.80	9.37	99.30	magnesian ilmenite
1999T-301	382264.75	6081807.41	0.30	0.22	20.29	7.38	39.86	0.26	5.18	5.49	20.94	99.93	non-titanian Cr-pyrope (G9)
1999T-301	382264.75	6081807.41	0.29	0.02	0.09	33.42	0.00	50.46	0.00	3.39	11.49	99.15	magnesian ilmenite
1999T-301	382264.75	6081807.41	1.50	0.04	2.59	55.39	0.00	1.58	0.01	37.86	0.16	99.14	Cr-spinel
1999T-302	381825.16	6080640.92	0.30	0.00	0.03	34.78	0.00	48.67	0.00	4.46	11.22	99.45	magnesian ilmenite
1999T-310	378075.60	6081454.42	0.22	0.08	0.38	43.14	0.00	47.66	0.00	0.03	8.01	99.53	magnesian ilmenite
1999T-310	378075.60	6081454.42	0.33	0.16	11.59	26.88	0.00	0.43	0.00	52.87	6.92	99.19	Cr-spinel
1999T-315	379424.91	6076667.36	2.02	0.38	10.07	31.41	0.03	0.20	0.00	52.93	2.38	99.42	Cr-spinel
1999T-319	377992.28	6071532.08	0.16	0.21	0.06	33.80	0.00	50.58	0.00	3.45	11.09	99.36	magnesian ilmenite
1999T-326	367010.80	6076322.95	0.09	0.07	13.63	24.31	0.00	2.11	0.00	45.19	14.51	99.92	Cr-spinel
1999T-326	367010.80	6076322.95	0.19	0.00	15.26	24.59	0.00	0.57	0.00	49.37	10.52	100.50	Cr-spinel
1999T-327	365544.89	6075097.76	0.42	0.11	18.19	7.26	41.62	0.12	5.34	6.51	20.12	99.69	non-titanian Cr-pyrope (G9)
1999T-327	365544.89	6075097.76	0.44	0.13	20.27	7.53	40.87	0.10	5.41	5.93	20.51	101.18	non-titanian Cr-pyrope (G9)
1999T-327	365544.89	6075097.76	0.17	0.36	0.11	94.34	0.00	0.08	0.00	0.02	0.00	95.09	magnetite
1999T-329	373524.62	6072776.30	1.84	0.14	20.67	9.37	38.26	0.19	28.65	0.04	0.05	99.20	grossularite
1999T-329	373524.62	6072776.30	0.34	0.04	0.00	39.31	0.00	47.87	0.00	3.15	9.72	100.43	magnesian ilmenite
1999T-329	373524.62	6072776.30	0.30	0.19	0.27	30.38	0.00	51.81	0.00	4.49	12.74	100.18	magnesian ilmenite
1999T-332	371343.79	6071847.26	0.36	0.09	19.24	18.77	0.00	0.18	0.00	48.21	12.99	99.82	Cr-spinel

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
1999T-332	371343.79	6071847.26	0.12	0.09	19.19	16.01	0.00	0.28	0.00	50.83	14.29	100.81	Cr-spinel
1999T-335	354026.13	6072263.97	0.23	0.05	0.00	26.37	0.00	53.67	0.00	4.11	15.02	99.46	magnesian ilmenite
1999T-338	358097.38	6073183.12	0.57	0.06	20.57	9.59	40.10	0.10	6.31	4.07	18.29	99.67	non-titanian Cr-pyrope (G7)
1999T-338	358097.38	6073183.12	0.16	0.03	16.80	13.97	0.00	0.25	0.00	55.37	14.42	101.01	Cr-spinel
1999T-338	358097.38	6073183.12	0.32	0.00	7.87	35.73	0.00	6.04	0.00	35.84	13.39	99.19	Cr-spinel
1999T-341	363366.15	6079087.77	0.42	0.13	21.42	7.47	40.92	0.00	5.05	4.21	21.14	100.76	non-titanian Cr-pyrope (G9)
1999T-344	364266.45	6076224.84	0.79	0.08	13.83	33.07	0.00	0.26	0.00	47.66	4.47	100.16	Cr-spinel
1999T-349	394290.85	6073197.89	0.31	0.04	22.15	9.42	40.23	0.19	4.68	2.49	20.36	99.88	non-titanian Cr-pyrope (G9)
1999T-349	394290.85	6073197.89	0.10	0.07	18.46	27.34	0.00	2.11	0.05	38.33	13.85	100.32	Cr-spinel
1999T-349	394290.85	6073197.89	0.16	0.23	14.17	25.06	0.00	2.96	0.00	44.17	12.19	98.93	Cr-spinel
1999T-349	394290.85	6073197.89	0.44	0.32	8.36	43.13	0.00	1.49	0.00	41.33	3.32	98.39	Cr-spinel
1999T-349	394290.85	6073197.89	0.15	0.11	17.90	19.87	0.00	1.85	0.00	42.58	15.56	98.00	Cr-spinel
1999T-350	381237.22	6069551.39	0.18	0.04	9.65	25.63	0.00	5.99	0.00	44.25	13.62	99.36	Cr-spinel
2000T-1	376811.59	6095036.00	0.30	0.11	0.01	33.81	0.02	49.36	0.00	3.90	10.66	98.17	Mg-ilmenite
2000T-12	386406.75	6094751.50	0.36	0.07	11.21	30.45	0.00	0.62	0.13	51.19	3.67	97.71	Cr-spinel
2000T-14	384536.25	6095146.50	0.48	0.02	0.00	36.94	0.00	48.29	0.00	3.43	8.77	97.94	Mg-ilmenite
2000T-15	385545.63	6095757.00	0.16	0.02	15.87	25.75	0.15	2.64	0.02	41.49	12.97	99.08	Cr-spinel
2000T-15	385545.63	6095757.00	0.06	0.16	19.59	21.25	0.15	1.42	0.00	41.90	15.41	99.94	Cr-spinel
2000T-15	385545.63	6095757.00	0.46	0.09	11.99	37.95	0.00	0.26	0.00	42.98	4.64	98.38	Cr-spinel
2000T-15	385545.63	6095757.00	0.09	0.00	1.02	88.80	0.06	0.09	0.00	0.00	0.11	90.17	hematite
2000T-15	385545.63	6095757.00	0.33	0.13	0.00	35.51	0.00	50.01	0.00	3.41	10.73	100.11	Mg-ilmenite
2000T-16	389243.59	6093479.00	0.45	0.00	6.98	40.19	0.00	0.48	0.00	43.60	5.82	97.51	Cr-spinel
2000T-17	388099.72	6092595.00	0.42	0.04	18.04	18.66	0.17	0.12	0.01	50.96	12.83	101.25	Cr-spinel
2000T-17	388099.72	6092595.00	0.35	0.32	2.40	21.61	31.34	10.00	31.61	0.06	0.81	98.50	Fe-Ti oxide
2000T-17	388099.72	6092595.00	0.28	0.00	0.00	36.50	0.00	49.79	0.00	2.57	8.69	97.83	Mg-ilmenite
2000T-20	409717.81	6111834.50	0.55	0.11	20.96	8.80	41.31	0.04	5.36	3.53	18.77	99.44	non-titanian Cr-pyrope (G9)
2000T-21	411487.41	6115553.50	0.20	0.02	9.96	40.18	0.10	6.37	0.00	29.67	12.04	98.53	Cr-spinel
2000T-21	411487.41	6115553.50	0.13	0.06	12.85	30.80	0.06	2.69	0.00	40.72	10.36	97.68	Cr-spinel
2000T-21	411487.41	6115553.50	0.28	0.04	22.67	18.73	0.00	0.19	0.00	44.24	13.77	99.91	Cr-spinel
2000T-21	411487.41	6115553.50	0.30	0.12	17.22	19.55	0.00	0.27	0.00	49.21	12.65	99.33	Cr-spinel
2000T-21	411487.41	6115553.50	0.33	0.00	15.61	27.26	1.69	0.27	0.00	45.62	9.48	100.27	Cr-spinel
2000T-21	411487.41	6115553.50	0.17	0.00	18.47	15.89	0.00	0.14	0.00	51.28	14.89	100.85	Cr-spinel
2000T-21	411487.41	6115553.50	0.05	0.08	22.80	30.83	0.10	0.26	0.00	31.34	11.43	96.90	Cr-spinel
2000T-21	411487.41	6115553.50	0.63	0.00	16.69	24.33	0.00	0.00	0.00	51.39	7.81	100.85	Cr-spinel
2000T-21	411487.41	6115553.50	0.08	0.08	16.88	14.67	0.04	0.19	0.00	51.55	14.85	98.35	Cr-spinel
2000T-21	411487.41	6115553.50	0.11	0.00	23.14	19.90	0.00	1.06	0.00	39.75	15.56	99.54	Cr-spinel
2000T-21	411487.41	6115553.50	0.11	0.04	17.21	15.11	0.00	0.23	0.00	53.38	14.37	100.46	Cr-spinel
2000T-21	411487.41	6115553.50	0.20	0.00	17.35	18.80	0.00	0.18	0.00	50.46	12.01	99.00	Cr-spinel
2000T-21	411487.41	6115553.50	0.53	0.00	21.62	26.83	0.00	0.05	0.02	44.18	7.00	100.23	Cr-spinel
2000T-21	411487.41	6115553.50	0.02	0.00	16.87	15.87	0.02	0.21	0.00	52.10	16.03	101.10	Cr-spinel
2000T-21	411487.41	6115553.50	0.25	0.10	18.75	25.46	0.00	0.16	0.00	44.60	10.17	99.49	Cr-spinel
2000T-21	411487.41	6115553.50	0.04	0.05	38.58	14.84	0.02	1.04	0.00	25.76	17.84	98.17	Cr-spinel
2000T-21	411487.41	6115553.50	0.19	0.00	7.78	39.11	0.00	7.78	0.00	33.56	11.30	99.74	Cr-spinel
2000T-21	411487.41	6115553.50	0.22	0.00	21.47	26.68	0.00	0.26	0.00	39.57	11.55	99.77	Cr-spinel
2000T-21	411487.41	6115553.50	0.45	0.13	14.20	26.33	0.08	1.89	0.00	49.55	7.45	100.06	Cr-spinel
2000T-21	411487.41	6115553.50	0.10	0.13	32.20	19.68	0.00	0.11	0.00	34.94	12.38	99.53	Cr-spinel
2000T-21	411487.41	6115553.50	0.20	0.00	11.04	33.93	0.02	5.04	0.00	37.80	10.72	98.75	Cr-spinel
2000T-21	411487.41	6115553.50	0.15	0.00	17.14	13.50	0.00	0.13	0.00	53.47	15.03	99.44	Cr-spinel
2000T-21	411487.41	6115553.50	0.19	0.00	9.10	25.41	0.10	3.95	0.00	45.99	15.34	100.08	Cr-spinel
2000T-21	411487.41	6115553.50	0.03	0.00	17.51	14.63	0.00	0.20	0.00	52.17	14.44	98.98	Cr-spinel
2000T-21	411487.41	6115553.50	0.21	0.10	23.49	20.37	0.02	1.43	0.00	39.19	15.94	100.76	Cr-spinel
2000T-21	411487.41	6115553.50	0.13	0.04	16.68	15.58	0.00	0.18	0.00	52.24	14.64	99.49	Cr-spinel
2000T-21	411487.41	6115553.50	0.02	0.00	18.88	15.24	0.00	0.20	0.00	50.19	14.38	98.91	Cr-spinel
2000T-21	411487.41	6115553.50	0.30	0.08	22.28	18.36	0.17	0.07	0.07	43.73	12.86	97.91	Cr-spinel
2000T-21	411487.41	6115553.50	0.18	0.06	18.67	15.48	0.00	0.06	0.00	50.69	14.72	99.85	Cr-spinel
2000T-21	411487.41	6115553.50	0.53	0.00	18.10	28.11	0.12	0.00	0.02	44.31	7.43	98.62	Cr-spinel
2000T-21	411487.41	6115553.50	0.63	0.10	21.96	21.05	0.00	0.06	0.03	44.69	10.41	98.92	Cr-spinel
2000T-21	411487.41	6115553.50	0.04	0.21	17.99	14.30	0.00	0.20	0.00	51.72	14.99	99.46	Cr-spinel
2000T-21	411487.41	6115553.50	0.06	0.02	15.41	17.88	0.10	0.75	0.00	49.38	14.88	98.47	Cr-spinel
2000T-21	411487.41	6115553.50	0.12	0.04	16.87	23.30	0.13	1.69	0.08	42.98	12.54	97.74	Cr-spinel
2000T-21	411487.41	6115553.50	0.11	0.00	17.10	14.25	0.00	0.14	0.00	51.70	14.69	98.00	Cr-spinel
2000T-21	411487.41	6115553.50	0.48	0.06	15.83	29.46	0.00	0.52	0.02	45.87	6.44	98.68	Cr-spinel
2000T-21	411487.41	6115553.50	0.35	0.00	18.33	28.22	0.04	0.71	0.00	42.20	9.44	99.29	Cr-spinel
2000T-21	411487.41	6115553.50	0.19	0.00	16.21	14.59	0.00	0.19	0.00	53.41	15.10	99.68	Cr-spinel
2000T-21	411487.41	6115553.50	0.00	0.11	30.22	14.66	0.20	0.55	0.00	36.64	16.82	99.20	Cr-spinel
2000T-21	411487.41	6115553.50	0.48	0.00	0.54	41.80	0.04	3.43	0.04	44.73	6.25	97.31	Cr-spinel
2000T-21	411487.41	6115553.50	0.21	0.00	16.40	16.42	0.04	0.20	0.00	51.63	15.54	100.44	Cr-spinel
2000T-21	411487.41	6115553.50	0.05	0.00	27.14	18.65	0.06	1.04	0.00	38.34	13.43	98.71	Cr-spinel
2000T-21	411487.41	6115553.50	0.25	0.00	15.78	19.20	0.00	0.10	0.00	51.07	13.09	99.49	Cr-spinel
2000T-21	411487.41	6115553.50	0.30	0.08	19.47	24.54	0.13	0.61	0.10	44.04	8.95	98.22	Cr-spinel
2000T-21	411487.41	6115553.50	0.40	0.04	13.08	23.66	0.17	0.16	0.00	53.86	8.42	99.79	Cr-spinel
2000T-21	411487.41	6115553.50	0.50	0.08	18.67	30.21	0.00	0.40	0.00	44.40	5.87	100.14	Cr-spinel
2000T-21	411487.41	6115553.50	0.14	0.00	25.53	20.31	0.00	1.71	0.00	37.61	15.35	100.66	Cr-spinel
2000T-21	411487.41	6115553.50	0.99	0.16	6.58	32.46	0.06	0.12	0.02	54.67	3.21	98.25	Cr-spinel
2000T-21	411487.41	6115553.50	0.18	0.00	13.71	27.51	0.12	2.52	0.00	41.39	13.82	99.24	Cr-spinel
2000T-21	411487.41	6115553.50	0.30	0.19	18.07	29.91	0.04	0.56	0.00	44.51	6.53	100.11	Cr-spinel
2000T-21	411487.41	6115553.50	0.10	0.00	21.54	15.94	0.00	0.22	0.00	46.37	14.69	98.86	Cr-spinel
2000T-21	411487.41	6115553.50	0.39	0.00	8.77	30.07	0.08	0.13	0.00	50.64	7.80	97.88	Cr-spinel
2000T-21	411487.41	6115553.50	0.29	0.06	15.39	22.47	0.12	0.00	0.01	49.47	10.80	98.61	Cr-spinel
2000T-21	411487.41	6115553.50	0.23	0.04	17.30	16.12	0.00	0.25	0.00	50.70	15.36	100.00	Cr-spinel

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
2000T-21	411487.41	6115553.50	0.43	0.00	16.37	32.48	0.00	0.63	0.00	39.17	8.43	97.52	Cr-spinel
2000T-21	411487.41	6115553.50	0.66	0.00	19.71	28.35	0.08	0.21	0.00	40.26	8.65	97.92	Cr-spinel
2000T-21	411487.41	6115553.50	0.29	0.00	17.67	17.98	0.00	0.17	0.00	51.26	13.75	101.12	Cr-spinel
2000T-21	411487.41	6115553.50	0.20	0.09	10.07	28.91	0.04	3.64	0.02	44.72	11.22	98.89	Cr-spinel
2000T-21	411487.41	6115553.50	0.11	0.17	17.28	13.48	0.00	0.14	0.00	52.94	14.95	99.07	Cr-spinel
2000T-21	411487.41	6115553.50	0.10	0.04	7.08	34.06	0.06	5.42	0.00	39.78	12.94	99.48	Cr-spinel
2000T-21	411487.41	6115553.50	0.29	0.00	17.29	15.97	0.00	0.25	0.00	52.41	14.02	100.23	Cr-spinel
2000T-21	411487.41	6115553.50	0.01	0.00	34.39	14.90	0.10	0.38	0.00	33.45	17.71	100.95	Cr-spinel
2000T-21	411487.41	6115553.50	0.31	0.00	7.27	29.11	0.00	3.77	0.00	43.86	13.12	97.44	Cr-spinel
2000T-21	411487.41	6115553.50	0.76	0.02	4.10	25.00	37.01	0.61	31.28	0.09	0.05	98.92	Fe-Ti oxide
2000T-21	411487.41	6115553.50	0.92	0.00	0.11	48.71	0.06	48.37	0.02	0.18	0.38	98.74	ilmenite
2000T-21	411487.41	6115553.50	3.77	0.00	0.00	45.04	0.02	49.71	0.00	0.00	0.09	98.63	ilmenite
2000T-21	411487.41	6115553.50	2.19	0.02	0.00	47.11	0.07	50.40	0.00	0.01	0.34	100.16	ilmenite
2000T-21	411487.41	6115553.50	0.29	0.00	0.31	33.96	0.18	49.78	0.00	3.11	10.95	98.58	Mg-ilmenite
2000T-21	411487.41	6115553.50	0.31	0.00	0.00	34.24	0.00	50.79	0.01	3.69	10.17	99.21	Mg-ilmenite
2000T-21	411487.41	6115553.50	0.44	0.17	0.06	37.09	0.07	47.35	0.00	3.33	8.95	97.47	Mg-ilmenite
2000T-21	411487.41	6115553.50	0.34	0.00	0.00	37.04	0.00	47.86	0.00	3.49	9.03	97.77	Mg-ilmenite
2000T-21	411487.41	6115553.50	0.21	0.02	0.01	33.72	0.00	49.82	0.00	3.20	11.38	98.36	Mg-ilmenite
2000T-21	411487.41	6115553.50	0.16	0.13	0.13	33.22	0.00	49.55	0.00	3.19	11.25	97.63	Mg-ilmenite
2000T-21	411487.41	6115553.50	0.26	0.04	0.17	33.26	0.00	50.75	0.00	2.80	10.91	98.19	Mg-ilmenite
2000T-21	411487.41	6115553.50	0.45	0.07	0.00	40.44	0.00	46.92	0.00	2.61	8.26	98.75	Mg-ilmenite
2000T-21	411487.41	6115553.50	0.57	0.19	0.00	36.95	0.02	47.95	0.00	3.07	9.58	98.33	Mg-ilmenite
2000T-21	411487.41	6115553.50	0.21	0.00	0.14	33.88	0.00	49.06	0.00	3.22	12.00	98.50	Mg-ilmenite
2000T-21	411487.41	6115553.50	0.34	0.00	0.00	35.21	0.00	48.63	0.00	3.70	9.94	97.82	Mg-ilmenite
2000T-21	411487.41	6115553.50	0.17	0.00	0.43	44.61	0.00	43.95	0.03	0.90	7.65	97.73	Mg-ilmenite
2000T-21	411487.41	6115553.50	0.47	0.13	20.25	8.52	42.11	0.00	5.26	3.07	18.91	98.72	non-titanian Cr-pyrope (G9)
2000T-21	411487.41	6115553.50	0.31	0.28	20.11	7.16	42.00	0.18	4.92	4.95	20.35	100.27	non-titanian Cr-pyrope (G9)
2000T-21	411487.41	6115553.50	0.24	0.06	23.04	19.55	0.00	1.75	0.00	38.87	15.70	99.22	spinel
2000T-21	411487.41	6115553.50	0.12	0.13	28.95	26.16	0.00	1.61	0.00	28.44	15.08	100.50	spinel
2000T-21	411487.41	6115553.50	0.08	0.00	39.55	15.45	0.28	0.66	0.00	25.87	18.12	100.01	spinel
2000T-21	411487.41	6115553.50	0.44	0.08	18.88	6.99	43.00	0.33	4.92	4.98	21.58	101.21	titanian Cr-pyrope (G11)
2000T-22	408615.97	6114290.50	0.12	0.00	6.90	31.89	0.00	4.72	0.00	40.96	12.53	97.13	Cr-spinel
2000T-22	408615.97	6114290.50	0.43	0.05	21.70	7.98	41.86	0.05	4.70	3.22	20.42	100.43	non-titanian Cr-pyrope (G9)
2000T-22	408615.97	6114290.50	0.46	0.08	21.25	7.39	42.08	0.18	5.43	4.53	19.05	100.44	non-titanian Cr-pyrope (G9)
2000T-22	408615.97	6114290.50	0.39	0.09	18.55	6.59	41.60	0.25	5.86	6.63	21.49	101.45	non-titanian Cr-pyrope (G9)
2000T-22	408615.97	6114290.50	0.41	0.05	17.96	6.91	41.79	0.33	5.06	7.20	19.27	99.99	titanian Cr-pyrope (G11)
2000T-26	386632.31	6093907.50	0.33	0.00	20.74	19.85	0.04	0.16	0.00	44.87	13.68	99.67	Cr-spinel
2000T-27	387695.53	6094386.00	0.12	0.06	17.08	14.39	0.03	0.28	0.10	51.98	13.99	98.01	Cr-spinel
2000T-30	387156.56	6099410.50	0.52	0.19	21.35	9.61	42.65	0.12	5.32	3.50	17.98	101.23	non-titanian Cr-pyrope (G9)
2000T-32	386554.50	6097484.00	0.24	0.00	16.10	15.53	0.00	0.20	0.00	52.81	14.47	99.36	Cr-spinel
2000T-32	386554.50	6097484.00	0.19	0.00	8.04	26.09	0.08	2.50	0.00	45.70	14.43	97.02	Cr-spinel
2000T-32	386554.50	6097484.00	0.00	0.05	17.98	14.17	0.04	0.19	0.00	52.52	14.66	99.61	Cr-spinel
2000T-32	386554.50	6097484.00	0.14	0.00	17.82	14.82	0.04	0.19	0.00	52.76	14.28	100.05	Cr-spinel
2000T-32	386554.50	6097484.00	0.18	0.06	22.37	27.73	0.00	0.27	0.03	40.05	9.47	100.16	Cr-spinel
2000T-32	386554.50	6097484.00	0.14	0.00	20.64	21.94	0.00	0.08	0.00	45.24	11.15	99.19	Cr-spinel
2000T-32	386554.50	6097484.00	0.28	0.00	21.19	32.83	0.00	0.30	0.00	34.76	10.32	99.66	Cr-spinel
2000T-32	386554.50	6097484.00	0.39	0.15	9.04	32.26	0.06	2.96	0.00	44.23	9.35	98.44	Cr-spinel
2000T-32	386554.50	6097484.00	0.09	0.04	18.72	15.61	0.00	0.10	0.00	50.18	13.94	98.68	Cr-spinel
2000T-32	386554.50	6097484.00	0.13	0.00	17.16	18.39	0.00	0.14	0.00	47.98	14.15	97.95	Cr-spinel
2000T-32	386554.50	6097484.00	0.29	0.00	20.81	17.77	0.00	0.10	0.00	47.58	11.88	98.41	Cr-spinel
2000T-32	386554.50	6097484.00	0.19	0.04	8.74	29.85	0.00	4.18	0.00	38.64	14.86	96.51	Cr-spinel
2000T-32	386554.50	6097484.00	0.28	0.28	1.98	19.80	28.52	12.89	30.99	0.07	0.90	95.71	Fe-Ti oxide
2000T-32	386554.50	6097484.00	0.42	0.25	2.43	21.02	31.14	8.81	31.70	0.04	0.95	96.76	Fe-Ti oxide
2000T-32	386554.50	6097484.00	0.17	0.20	1.25	19.67	29.16	13.34	31.28	0.06	1.10	96.23	Fe-Ti oxide
2000T-32	386554.50	6097484.00	0.25	0.43	1.59	20.89	30.48	12.45	30.80	0.02	0.86	97.77	Fe-Ti oxide
2000T-32	386554.50	6097484.00	15.45	0.03	17.36	16.24	45.02	0.09	4.21	0.04	1.03	99.46	garnet
2000T-32	386554.50	6097484.00	0.30	0.00	0.00	31.29	0.00	52.46	0.06	2.04	12.11	98.26	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.17	0.08	0.32	31.40	0.00	51.71	0.01	2.80	12.78	99.27	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.35	0.02	0.11	33.96	0.00	52.44	0.00	2.35	11.15	100.38	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.25	0.00	0.20	31.35	0.00	50.94	0.00	2.14	13.12	98.00	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.26	0.00	0.07	33.24	0.00	49.18	0.00	3.77	12.04	98.55	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.35	0.00	0.08	34.79	0.02	49.43	0.00	3.06	10.62	98.36	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.32	0.00	0.01	37.18	0.00	50.16	0.00	3.32	9.53	100.53	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.21	0.00	0.35	29.63	0.00	52.09	0.00	2.63	13.65	98.56	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.38	0.00	0.00	34.39	0.00	49.76	0.00	3.45	10.97	98.96	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.30	0.00	0.00	38.74	0.00	48.55	0.02	3.02	9.14	99.77	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.29	0.04	0.22	30.95	0.00	52.30	0.00	2.22	12.69	98.71	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.25	0.07	0.11	26.61	0.02	56.52	0.01	1.14	14.98	99.71	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.37	0.00	0.35	32.53	0.02	51.10	0.00	2.38	11.26	98.01	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.15	0.00	0.08	32.31	0.05	52.27	0.00	2.11	11.87	98.86	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.28	0.09	19.74	7.63	43.83	0.37	4.95	3.48	20.14	100.50	non-titanian Cr-pyrope (G9)
2000T-32	386554.50	6097484.00	0.36	0.04	19.71	6.45	43.57	0.28	4.76	4.26	19.84	99.26	non-titanian Cr-pyrope (G9)
2000T-32	386554.50	6097484.00	0.40	0.14	20.60	7.56	41.49	0.04	5.71	3.21	20.73	99.86	non-titanian Cr-pyrope (G9)
2000T-32	386554.50	6097484.00	0.40	0.01	21.70	7.99	41.72	0.00	4.82	3.53	21.02	101.19	non-titanian Cr-pyrope (G9)
2000T-32	386554.50	6097484.00	0.58	0.08	19.20	8.76	42.39	0.10	6.31	5.56	18.38	101.36	non-titanian Cr-pyrope (G9)
2000T-32	386554.50	6097484.00	0.39	0.08	17.34	6.53	42.98	0.06	6.30	6.75	20.57	100.99	non-titanian Cr-pyrope (G9)
2000T-32	386554.50	6097484.00	0.79	0.15	20.40	7.95	41.57	0.03	5.21	4.75	19.81	100.66	non-titanian Cr-pyrope (G9)
2000T-32	386554.50	6097484.00	0.50	0.14	19.70	6.82	42.25	0.18	4.93	3.75	21.26	99.54	non-titanian Cr-pyrope (G9)
2000T-32	386554.50	6097484.00	0.37	0.10	18.91	7.27	42.39	0.15	5.34	4.14	20.49	99.16	non-titanian Cr-pyrope (G9)
2000T-32	386554.50	6097484.00	0.54	0.06	20.26	7.85	42.83	0.11	5.02	5.25	19.24	101.16	non-titanian Cr-pyrope (G9)
2000T-32	386554.50	6097484.00	0.36	0.11	20.58	7.44	42.82	0.26	4.62	3.42	19.92	99.54	non-titanian Cr-pyrope (G9)

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
2000T-32	386554.50	6097484.00	0.29	0.03	18.91	8.06	41.12	0.07	5.72	6.41	19.67	100.27	non-titanian Cr-pyrope (G9)
2000T-32	386554.50	6097484.00	0.24	0.03	17.34	6.35	42.50	0.29	5.67	6.86	20.78	100.06	titanian Cr-pyrope (G11)
2000T-32	386554.50	6097484.00	0.43	0.03	18.98	7.08	41.05	0.32	5.69	6.16	20.19	99.93	titanian Cr-pyrope (G11)
2000T-32	386554.50	6097484.00	0.53	0.11	18.71	7.12	42.44	0.26	5.48	5.53	20.57	100.77	titanian Cr-pyrope (G11)
2000T-35	386267.97	6101746.50	0.07	0.04	18.25	13.91	0.00	0.10	0.00	52.37	15.14	99.88	Cr-spinel
2000T-35	386267.97	6101746.50	0.04	0.00	9.17	12.78	0.02	0.00	0.00	62.70	14.06	98.78	diamond inclusion Cr-spinel
2000T-37	394285.81	6088654.00	0.41	0.00	18.22	8.00	41.60	0.10	4.54	6.86	20.78	100.51	non-titanian Cr-pyrope (G10)
2000T-38	394987.06	6089686.50	0.38	0.14	15.84	27.50	0.00	0.22	0.04	48.76	7.94	100.83	Cr-spinel
2000T-43	399444.06	6096834.00	0.14	0.00	12.61	29.11	0.02	4.23	0.00	41.89	12.08	100.08	Cr-spinel
2000T-43	399444.06	6096834.00	0.40	0.12	0.24	35.19	0.00	51.75	0.02	1.04	9.65	98.41	Mg-ilmenite
2000T-44	396369.22	6096019.00	0.52	0.10	0.00	33.61	0.00	51.06	0.00	3.41	12.23	100.96	Mg-ilmenite
2000T-44	396369.22	6096019.00	0.21	0.00	0.28	41.00	0.00	48.41	0.01	0.31	7.50	97.72	Mg-ilmenite
2000T-51	393755.47	6100100.50	0.31	0.00	0.00	35.97	0.02	48.40	0.00	3.26	9.97	97.94	Mg-ilmenite
2000T-53	399544.66	6095816.50	14.48	0.03	21.08	22.37	37.18	0.28	3.11	0.09	2.41	101.03	garnet
2000T-56	397265.06	6103193.00	0.54	0.08	0.10	32.84	0.10	49.79	0.00	3.09	11.31	97.85	Mg-ilmenite
2000T-56	397265.06	6103193.00	0.49	0.00	21.26	8.17	42.04	0.00	4.91	3.37	19.82	100.06	non-titanian Cr-pyrope (G9)
2000T-58	395716.94	6102027.50	0.34	0.00	16.87	25.11	0.00	0.30	0.00	45.69	11.04	99.35	Cr-spinel
2000T-60	395773.38	6101007.00	0.19	0.04	8.70	36.86	0.11	5.75	0.02	30.35	15.50	97.52	Cr-spinel
2000T-61	392900.03	6100991.00	0.10	0.00	15.78	21.53	0.15	2.37	0.00	42.94	15.66	98.54	Cr-spinel
2000T-61	392900.03	6100991.00	0.38	0.06	18.45	7.71	41.50	0.15	5.40	6.52	20.11	100.29	non-titanian Cr-pyrope (G9)
2000T-66	394714.06	6096812.00	0.61	0.00	6.08	37.26	0.02	5.47	0.00	38.98	10.30	98.73	Cr-spinel
2000T-68-BS	399084.13	6101491.00	0.48	0.00	1.05	41.87	0.00	3.91	0.00	44.88	6.75	98.93	Cr-spinel
2000T-68-BS	399084.13	6101491.00	0.13	0.00	9.75	35.99	0.02	4.46	0.00	37.50	10.90	98.75	Cr-spinel
2000T-68-BS	399084.13	6101491.00	0.05	0.00	29.47	15.38	0.00	0.24	0.00	38.02	16.13	99.30	Cr-spinel
2000T-68-BS	399084.13	6101491.00	0.26	0.00	7.63	37.03	0.00	6.55	0.00	37.74	9.33	98.54	Cr-spinel
2000T-68-BS	399084.13	6101491.00	0.15	0.02	24.49	23.51	0.16	1.15	0.00	36.64	14.02	100.14	Cr-spinel
2000T-68-BS	399084.13	6101491.00	0.33	0.00	1.23	32.90	0.04	3.30	0.00	53.27	8.20	99.26	Cr-spinel
2000T-68-BS	399084.13	6101491.00	0.02	0.00	11.95	24.27	0.00	2.56	0.00	46.85	12.15	97.80	Cr-spinel
2000T-68-BS	399084.13	6101491.00	0.07	0.06	17.66	14.95	0.00	0.26	0.00	52.78	15.00	100.78	Cr-spinel
2000T-68-BS	399084.13	6101491.00	0.47	0.00	15.69	24.95	0.00	0.34	0.00	46.83	10.52	98.80	Cr-spinel
2000T-68-BS	399084.13	6101491.00	0.45	0.00	14.63	27.85	0.35	0.30	0.03	48.04	7.91	99.56	Cr-spinel
2000T-68	399084.13	6101491.00	1.26	0.00	3.85	24.75	37.07	0.33	31.35	0.06	0.55	99.22	Fe-Ti oxide
2000T-68-BS	399084.13	6101491.00	0.26	0.31	2.01	21.18	31.88	9.28	31.40	0.13	0.90	97.37	Fe-Ti oxide
2000T-68-BS	399084.13	6101491.00	0.18	0.00	0.42	38.85	0.00	47.75	0.00	1.28	9.61	98.10	Mg-ilmenite
2000T-68-BS	399084.13	6101491.00	0.18	0.00	0.18	33.41	0.00	50.54	0.00	2.90	10.75	97.97	Mg-ilmenite
2000T-68-BS	399084.13	6101491.00	0.37	0.00	0.22	33.20	0.00	50.15	0.00	3.85	11.49	99.29	Mg-ilmenite
2000T-68-BS	399084.13	6101491.00	0.25	0.00	0.20	41.26	0.00	50.05	0.00	0.02	6.95	98.73	Mg-ilmenite
2000T-68-BS	399084.13	6101491.00	0.33	0.00	0.04	34.38	0.00	49.52	0.00	2.65	11.19	98.12	Mg-ilmenite
2000T-68-BS	399084.13	6101491.00	0.30	0.00	0.52	28.48	0.10	51.45	0.01	3.49	14.37	98.73	Mg-ilmenite
2000T-68-BS	399084.13	6101491.00	0.27	0.10	0.04	30.44	0.00	52.42	0.00	3.36	12.81	99.44	Mg-ilmenite
2000T-68	399084.13	6101491.00	0.38	0.17	18.27	7.29	41.04	0.09	5.47	6.49	19.54	98.73	non-titanian Cr-pyrope (G9)
2000T-69	398290.31	6099503.50	0.06	0.02	8.51	23.24	0.00	3.37	0.00	48.85	16.13	100.17	Cr-spinel
2000T-69	398290.31	6099503.50	0.51	0.08	16.34	26.82	0.00	0.24	0.01	46.34	9.89	100.24	Cr-spinel
2000T-73	402783.03	6105930.50	0.34	0.00	20.99	17.45	0.00	0.12	0.00	47.30	13.02	99.22	Cr-spinel
2000T-73	402783.03	6105930.50	0.29	0.02	0.38	28.61	0.00	52.37	0.04	2.67	13.72	98.08	Mg-ilmenite
2000T-83	408701.53	6106066.50	0.23	0.07	18.70	18.48	0.00	0.01	0.00	49.16	12.21	98.87	Cr-spinel
2000T-90	391117.84	6091481.50	0.39	0.12	14.80	23.29	0.00	0.26	0.00	53.03	8.44	100.34	Cr-spinel
2000T-90	391117.84	6091481.50	0.41	0.00	22.38	17.16	0.00	0.01	0.00	45.43	14.16	99.54	Cr-spinel
2000T-90	391117.84	6091481.50	0.37	0.00	0.32	34.71	0.00	52.90	0.00	0.34	11.07	99.71	Mg-ilmenite
2000T-90	391117.84	6091481.50	0.50	0.09	17.75	7.23	41.93	0.00	5.44	6.78	20.79	100.51	non-titanian Cr-pyrope (G9)
2000T-92	391102.75	6092944.50	0.17	0.08	0.59	29.79	0.00	52.44	0.00	3.19	13.42	99.69	Mg-ilmenite
2000T-92	391102.75	6092944.50	0.39	0.01	20.24	7.46	42.51	0.15	5.04	4.92	20.53	101.26	non-titanian Cr-pyrope (G9)
2000T-92	391102.75	6092944.50	0.34	0.16	19.69	6.80	42.34	0.09	5.08	5.76	19.59	99.85	non-titanian Cr-pyrope (G9)
2000T-92	390579.66	6092302.50	0.36	0.04	19.31	8.07	42.32	0.28	5.36	4.13	20.52	100.38	titanian Cr-pyrope (G11)
2000T-92	391102.75	6092944.50	0.40	0.09	19.96	7.02	42.73	0.51	4.29	3.70	20.60	99.30	titanian Cr-pyrope (G11)/(G10)
2000T-93	389781.91	6092662.00	0.27	0.09	18.29	6.91	40.59	0.31	4.95	5.96	21.31	98.69	titanian Cr-pyrope (G11)/(G10)
2000T-94	389081.13	6092532.00	0.20	0.02	16.40	14.70	0.00	0.22	0.00	53.72	14.68	99.94	Cr-spinel
2000T-94	389081.13	6092532.00	0.40	0.08	0.56	35.21	0.00	50.03	0.00	1.69	10.33	98.31	Mg-ilmenite
2000T-94	389081.13	6092532.00	0.35	0.16	20.75	7.96	41.74	0.47	4.41	3.96	21.32	101.12	titanian Cr-pyrope (G11)/(G10)
2000T-100	390771.78	6095004.00	0.19	0.00	0.11	28.20	0.00	51.66	0.00	5.02	13.44	98.63	Mg-ilmenite
2000T-102	392650.41	6096653.00	0.06	0.00	22.87	18.51	0.00	1.37	0.00	41.14	16.28	100.23	Cr-spinel
2000T-102	392650.41	6096653.00	0.00	0.16	30.80	16.05	0.20	0.62	0.00	35.63	14.93	98.37	Cr-spinel
2000T-102	392650.41	6096653.00	0.00	0.00	17.39	13.94	0.00	0.25	0.00	52.78	15.35	99.72	Cr-spinel
2000T-102	392650.41	6096653.00	0.25	0.08	0.00	35.02	0.00	50.28	0.00	1.93	10.53	98.10	Mg-ilmenite
2000T-102	392650.41	6096653.00	0.33	0.00	0.51	39.76	0.00	50.19	0.02	0.12	9.92	100.86	Mg-ilmenite
2000T-103	391819.38	6096113.00	0.15	1.64	2.01	2.80	56.11	0.23	18.92	2.13	16.63	100.62	Cr-diopside
2000T-103	391819.38	6096113.00	0.33	0.00	0.97	28.79	0.06	1.36	0.00	58.81	8.51	98.82	Cr-spinel
2000T-103	391819.38	6096113.00	2.15	0.13	3.63	49.64	0.11	0.12	0.01	41.53	0.13	97.45	Cr-spinel
2000T-103	391819.38	6096113.00	0.02	0.12	20.99	20.84	0.00	1.43	0.00	41.68	14.41	99.49	Cr-spinel
2000T-103	391819.38	6096113.00	0.31	0.13	8.90	29.02	0.06	2.97	0.00	43.31	13.74	98.42	Cr-spinel
2000T-103	391819.38	6096113.00	0.37	0.02	0.15	32.21	0.00	51.82	0.00	2.09	12.71	99.37	Mg-ilmenite
2000T-103	391819.38	6096113.00	0.30	0.00	0.03	34.05	0.00	50.22	0.00	3.06	10.49	98.15	Mg-ilmenite
2000T-103	391819.38	6096113.00	0.26	0.00	0.10	34.55	0.00	48.38	0.00	3.55	10.75	97.59	Mg-ilmenite
2000T-103	391819.38	6096113.00	0.20	0.06	0.10	26.64	0.00	54.69	0.00	2.56	16.38	100.64	Mg-ilmenite
2000T-103	391819.38	6096113.00	0.40	0.06	0.00	37.43	0.00	48.70	0.00	2.98	9.96	99.54	Mg-ilmenite
2000T-103	391819.38	6096113.00	0.35	0.00	0.24	33.81	0.02	49.02	0.00	3.38	11.52	98.34	Mg-ilmenite
2000T-103	391819.38	6096113.00	0.46	0.00	0.07	34.40	0.02	51.23	0.00	2.04	11.07	99.29	Mg-ilmenite
2000T-103	391819.38	6096113.00	0.54	0.06	0.03	30.36	0.02	51.59	0.00	5.06	12.75	100.41	Mg-ilmenite
2000T-103	391819.38	6096113.00	0.30	0.00	20.26	7.70	43.00	0.11	5.26	4.44	20.14	101.20	non-titanian Cr-pyrope (G9)
2000T-103	391819.38	6096113.00	0.33	0.00	16.87	6.82	42.78	0.20	6.06	7.78	19.88	100.73	non-titanian Cr-pyrope (G9)
2000T-103	391819.38	6096113.00	0.47	0.08	19.69	7.82	41.21	0.19	5.32	5.78	20.61	101.16	non-titanian Cr-pyrope (G9)

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
2000T-103	391819.38	6096113.00	0.29	0.00	19.05	7.20	41.32	0.14	5.30	6.75	21.18	101.24	non-titanian Cr-pyrope (G9)
2000T-103	391819.38	6096113.00	0.40	0.08	19.18	7.65	41.74	0.29	5.30	5.68	21.15	101.48	titanian Cr-pyrope (G11)
2000T-103	391819.38	6096113.00	0.30	0.18	18.39	7.16	41.11	0.36	5.83	5.48	20.55	99.35	titanian Cr-pyrope (G11)
2000T-104	390131.41	6099288.50	0.23	0.04	8.14	27.05	0.00	2.95	0.00	47.73	13.42	99.56	Cr-spinel
2000T-104	390131.41	6099288.50	0.38	0.11	18.48	7.78	43.28	0.42	5.14	4.90	19.56	100.05	titanian Cr-pyrope (G11)
2000T-105-BS	390189.03	6100414.50	0.57	0.03	19.24	7.39	42.60	0.08	4.89	4.36	20.36	99.53	non-titanian Cr-pyrope (G9)
2000T-107	388936.94	6101455.50	0.05	0.07	29.04	16.05	0.04	0.49	0.00	36.38	17.15	99.26	Cr-spinel
2000T-107	388936.94	6101455.50	0.27	0.00	16.92	14.43	0.00	0.21	0.00	53.75	15.21	100.79	Cr-spinel
2000T-109	386132.81	6096368.00	0.31	0.06	21.87	23.91	0.06	0.10	0.00	40.64	11.67	98.61	Cr-spinel
2000T-112	392762.47	6099792.50	0.51	0.00	12.90	33.42	0.06	0.30	0.00	47.02	6.40	100.62	Cr-spinel
2000T-112	392762.47	6099792.50	0.30	0.13	0.01	32.84	0.00	50.81	0.03	2.27	11.54	97.93	Mg-ilmenite
2000T-118	391438.41	6097052.00	0.25	0.11	18.22	7.35	41.09	0.17	5.55	7.52	20.45	100.71	non-titanian Cr-pyrope (G9)
2000T-120-BS	388195.31	6096944.00	0.42	0.04	18.44	7.83	41.26	0.04	5.89	6.99	20.17	101.09	non-titanian Cr-pyrope (G9)
2000T-120-BS	388195.31	6096944.00	0.42	0.14	19.47	8.24	41.75	0.04	6.47	4.98	18.92	100.42	non-titanian Cr-pyrope (G9)
2000T-123-BS	391854.41	6098769.00	0.41	0.00	18.02	32.79	0.00	0.60	0.00	40.39	5.34	97.56	Cr-spinel
2000T-123-BS	391854.41	6098769.00	0.30	0.17	20.61	30.03	0.00	0.27	0.00	38.92	8.12	98.42	Cr-spinel
2000T-123-BS	391854.41	6098769.00	0.44	0.11	20.34	7.42	42.91	0.28	4.64	3.83	20.86	100.82	non-titanian Cr-pyrope (G9)
2000T-125	388349.84	6102123.50	0.23	0.16	12.08	33.62	0.00	0.39	0.00	45.76	7.14	99.37	Cr-spinel
2000T-127	390127.16	6103821.50	0.13	0.00	16.60	22.35	0.15	1.46	0.00	44.27	14.90	99.86	Cr-spinel
2000T-127	390127.16	6103821.50	0.07	0.00	16.84	26.97	0.00	1.90	0.00	40.03	13.20	99.01	Cr-spinel
2000T-129	391955.44	6103866.00	0.36	0.00	0.03	35.09	0.00	49.35	0.00	3.18	11.77	99.78	Mg-ilmenite
2000T-129	391955.44	6103866.00	0.56	0.14	17.45	6.83	42.09	0.27	5.61	6.86	19.90	99.70	titanian Cr-pyrope (G11)
2000T-133-BS	395632.94	6104304.50	0.85	0.00	11.57	30.70	0.00	0.03	0.00	50.09	5.29	98.56	Cr-spinel
2000T-133-BS	395632.94	6104304.50	0.04	0.00	16.59	17.73	0.04	0.02	0.00	52.91	12.74	100.07	Cr-spinel
2000T-135	398475.94	6100648.50	0.00	0.00	38.53	13.83	0.00	0.29	0.00	27.22	18.55	98.42	Cr-spinel
2000T-136	397807.00	6101720.00	0.27	0.00	7.75	25.53	0.00	2.57	0.00	48.67	14.32	99.10	Cr-spinel
2000T-139	401013.91	6102969.00	0.19	0.00	15.03	36.17	0.00	0.23	0.00	46.93	1.90	100.45	Cr-spinel
2000T-139	401013.91	6102969.00	0.26	0.08	19.00	7.48	41.32	0.55	5.34	4.97	21.79	100.78	titanian Cr-pyrope (G11)
2000T-140	396582.16	6102405.00	0.24	0.00	6.51	25.14	0.04	4.19	0.00	48.47	15.27	99.87	Cr-spinel
2000T-144-BS	399564.03	6104786.00	0.32	0.01	17.66	7.32	43.08	0.18	4.97	5.91	20.77	100.22	non-titanian Cr-pyrope (G9)/(G10)
2000T-150	402269.28	6106540.00	0.31	0.12	18.20	25.47	0.04	3.32	0.03	38.61	12.77	98.86	Cr-spinel
2000T-150	402269.28	6106540.00	0.09	0.00	21.57	16.30	0.00	0.12	0.00	47.28	13.79	99.14	Cr-spinel
2000T-150	402269.28	6106540.00	0.12	0.00	17.30	31.64	0.10	2.85	0.00	34.35	13.81	100.16	Cr-spinel
2000T-150	402269.28	6106540.00	0.13	0.00	18.30	15.22	0.00	0.27	0.00	52.70	14.14	100.76	Cr-spinel
2000T-150	402269.28	6106540.00	0.05	0.00	31.90	19.85	0.04	1.24	0.00	31.34	16.11	100.54	Cr-spinel
2000T-150	402269.28	6106540.00	0.22	0.00	9.60	32.57	0.08	3.45	0.00	42.28	12.07	100.26	Cr-spinel
2000T-150	402269.28	6106540.00	0.14	0.00	7.02	31.47	0.04	4.22	0.00	42.00	12.87	97.76	Cr-spinel
2000T-150	402269.28	6106540.00	0.25	0.00	22.25	17.84	0.00	0.08	0.00	48.07	12.41	100.89	Cr-spinel
2000T-150	402269.28	6106540.00	0.35	0.23	18.10	24.46	0.00	2.37	0.00	46.12	9.41	101.04	Cr-spinel
2000T-150	402269.28	6106540.00	2.04	0.00	5.24	41.59	0.11	0.14	0.00	50.02	0.66	99.80	Cr-spinel
2000T-150	402269.28	6106540.00	0.29	0.10	0.17	32.34	0.06	48.66	0.00	4.55	12.33	98.49	Mg-ilmenite
2000T-150	402269.28	6106540.00	0.26	0.02	0.10	27.51	0.00	54.56	0.00	1.33	15.09	98.86	Mg-ilmenite
2000T-150	402269.28	6106540.00	0.50	0.11	19.11	7.44	40.95	0.16	4.62	6.28	21.22	100.39	non-titanian Cr-pyrope (G10)
2000T-150	402269.28	6106540.00	0.49	0.03	19.51	7.72	42.30	0.22	4.20	5.00	21.46	100.92	non-titanian Cr-pyrope (G10)
2000T-150	402269.28	6106540.00	0.69	0.00	21.19	8.53	41.64	0.00	5.51	2.94	19.22	99.73	non-titanian Cr-pyrope (G9)
2000T-150	402269.28	6106540.00	0.54	0.03	22.84	9.85	41.55	0.15	4.92	1.96	19.11	100.94	non-titanian Cr-pyrope (G9)
2000T-150	402269.28	6106540.00	0.39	0.03	20.18	8.67	43.30	0.02	5.43	2.99	18.99	100.00	non-titanian Cr-pyrope (G9)
2000T-150	402269.28	6106540.00	0.20	0.07	18.36	7.42	42.33	0.34	5.60	6.87	19.21	100.40	titanian Cr-pyrope (G11)
2000T-153	403857.41	6108381.00	0.11	0.00	13.65	19.56	0.00	0.23	0.00	52.69	13.17	99.41	Cr-spinel
2000T-156-BS	402443.84	6108400.50	0.21	0.00	19.70	26.67	0.12	1.39	0.00	40.33	11.92	100.34	Cr-spinel
2000T-158-BS	401627.13	6107942.50	0.03	1.93	2.70	2.95	54.65	0.24	18.74	1.74	16.68	99.67	Cr-diopside
2000T-158-BS	401627.13	6107942.50	0.32	0.13	20.36	8.16	43.69	0.22	4.87	3.06	20.66	101.48	non-titanian Cr-pyrope (G9)
2000T-159	401165.03	6107954.50	0.27	0.16	9.82	32.34	0.02	0.07	0.00	49.98	6.60	99.26	Cr-spinel
2000T-161	409503.97	6110965.50	0.66	0.00	19.70	32.02	0.00	0.03	0.00	41.61	4.49	98.50	Cr-spinel
2000T-161	409503.97	6110965.50	0.49	0.01	19.89	7.99	41.53	0.33	4.96	5.15	19.55	99.91	titanian Cr-pyrope (G11)
2000T-163-BS	407938.84	6110567.50	0.28	0.06	0.26	32.08	0.04	52.09	0.02	1.72	13.10	99.64	Mg-ilmenite
2000T-166	406114.34	6111079.00	0.13	0.02	6.61	22.25	0.09	1.78	0.00	54.90	14.74	100.52	Cr-spinel
2000T-166-BS	406114.34	6111079.00	0.26	0.04	17.41	23.52	0.04	0.29	0.02	47.22	11.68	100.48	Cr-spinel
2000T-166-BS	406114.34	6111079.00	0.31	0.00	0.00	36.60	0.00	48.05	0.00	2.88	9.62	97.47	Mg-ilmenite
2000T-166-BS	406114.34	6111079.00	0.60	0.08	19.85	7.57	42.98	0.16	5.18	4.54	19.91	100.88	non-titanian Cr-pyrope (G9)
2000T-166-BS	406114.34	6111079.00	0.48	0.03	20.55	7.97	41.66	0.03	5.03	4.31	19.78	99.83	non-titanian Cr-pyrope (G9)
2000T-166-BS	406114.34	6111079.00	0.42	0.11	20.48	7.77	41.86	0.33	4.55	4.74	20.07	100.34	titanian Cr-pyrope (G11)/(G10)
2000T-167	404689.56	6110332.00	0.12	0.00	7.58	28.37	0.00	3.22	0.00	46.81	11.73	97.83	Cr-spinel
2000T-172-BS	387049.19	6098700.50	0.34	0.00	0.31	35.96	0.02	49.50	0.04	1.64	12.20	100.02	Mg-ilmenite
2000T-175-BS	388265.75	6102950.00	0.24	0.19	12.41	29.37	0.00	3.66	0.00	40.81	12.94	99.62	Cr-spinel
2000T-175-BS	388265.75	6102950.00	0.08	0.02	17.01	13.87	0.00	0.18	0.00	52.11	16.08	99.35	Cr-spinel
2000T-175-BS	388265.75	6102950.00	0.42	0.04	17.63	29.85	0.04	0.50	0.00	44.99	5.88	99.35	Cr-spinel
2000T-175-BS	388265.75	6102950.00	0.39	0.00	0.00	38.86	0.02	47.51	0.00	2.04	8.76	97.59	Mg-ilmenite
2000T-175-BS	388265.75	6102950.00	0.29	0.08	0.13	36.00	0.06	47.13	0.00	3.82	10.27	97.77	Mg-ilmenite
2000T-175-BS	388265.75	6102950.00	0.38	0.11	20.96	7.56	41.50	0.23	4.86	3.52	20.64	99.76	non-titanian Cr-pyrope (G9)
2000T-175-BS	388265.75	6102950.00	0.32	0.00	19.57	7.47	43.97	0.09	5.25	5.26	19.23	101.18	non-titanian Cr-pyrope (G9)
2000T-175-BS	388265.75	6102950.00	0.46	0.12	16.81	7.60	41.84	0.47	6.15	7.58	19.48	100.52	titanian Cr-pyrope (G11)
2000T-176-BS	387771.91	6102468.50	0.12	2.51	2.77	3.35	54.97	0.27	18.33	1.90	15.08	99.30	Cr-diopside
2000T-176-BS	387771.91	6102468.50	0.28	0.00	16.28	26.45	0.02	0.33	0.00	46.88	10.05	100.29	Cr-spinel
2000T-176-BS	387771.91	6102468.50	0.42	0.00	14.48	37.30	0.06	2.57	0.00	42.34	3.63	100.81	Cr-spinel
2000T-176-BS	387771.91	6102468.50	0.32	0.00	0.00	36.78	0.00	47.27	0.00	3.38	9.77	97.53	Mg-ilmenite
2000T-176-BS	387771.91	6102468.50	0.43	0.00	0.04	31.07	0.14	51.32	0.00	3.74	11.88	98.62	Mg-ilmenite
2000T-177	386911.66	6102253.00	0.56	0.07	13.83	38.01	0.00	0.19	0.00	43.40	3.51	99.57	Cr-spinel
2000T-177	386911.66	6102253.00	0.28	0.00	9.32	33.77	0.06	6.49	0.00	37.81	12.34	100.06	Cr-spinel
2000T-177	386911.66	6102253.00	0.52	0.05	9.13	38.07	0.00	0.18	0.01	47.95	3.58	99.48	Cr-spinel
2000T-178	383961.50	6096975.00	0.34	0.00	10.51	41.38	0.00	0.67	0.00	40.93	4.86	98.69	Cr-spinel

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
2000T-178	383961.50	6096975.00	0.45	0.25	2.31	22.98	32.99	7.95	31.72	0.05	0.67	99.36	Fe-Ti oxide
2000T-180	383572.19	6099390.00	0.16	0.19	21.22	40.72	37.01	0.06	0.49	0.05	1.43	101.32	garnet
2000T-180	383572.19	6099390.00	0.42	0.14	22.10	7.10	42.16	0.24	5.29	2.33	20.41	100.21	non-titanian Cr-pyrope (G9)/(G10)
2000T-182	385706.34	6102721.00	0.33	0.00	7.36	40.20	0.10	5.62	0.01	31.67	12.84	98.12	Cr-spinel
2000T-182	385706.34	6102721.00	0.32	0.00	0.17	33.64	0.00	50.71	0.01	1.83	12.06	98.74	Mg-ilmenite
2000T-201	376329.06	6099848.50	0.47	0.14	11.61	39.27	0.00	0.96	0.02	46.65	0.93	100.05	Cr-spinel
2000T-201	376329.06	6099848.50	0.25	0.00	13.46	29.50	0.23	2.38	0.02	43.18	11.48	100.49	Cr-spinel
2000T-201	376329.06	6099848.50	0.40	0.07	1.12	26.00	33.98	3.89	32.40	0.03	0.31	98.20	Fe-Ti oxide
2000T-201	376329.06	6099848.50	0.19	0.00	0.43	34.57	0.00	51.69	0.05	1.05	11.78	99.76	Mg-ilmenite
2000T-204	379288.84	6099045.50	0.66	0.00	10.84	33.16	0.00	0.20	0.00	48.45	6.76	100.08	Cr-spinel
2000T-204	379288.84	6099045.50	0.25	0.00	0.04	32.52	0.00	50.75	0.00	3.72	11.73	99.00	Mg-ilmenite
2000T-205	377938.81	6100685.00	0.39	0.00	0.03	33.13	0.00	50.79	0.00	3.43	11.39	99.16	Mg-ilmenite
2000T-205	377938.81	6100685.00	0.31	0.00	0.03	33.45	0.06	50.73	0.00	3.82	10.55	98.95	Mg-ilmenite
2000T-206	376715.94	6102116.00	0.25	0.04	9.02	30.87	0.06	5.05	0.00	38.85	15.44	99.59	Cr-spinel
2000T-209	377791.78	6097599.50	0.45	0.00	0.01	33.28	0.00	50.21	0.00	3.53	10.91	98.41	Mg-ilmenite
2000T-210	378771.63	6097898.50	0.20	0.08	8.55	27.79	0.06	4.49	0.00	42.42	15.11	98.70	Cr-spinel
2000T-211	386750.13	6103960.50	0.24	0.00	0.18	32.76	0.04	52.31	0.00	2.51	10.97	99.00	Mg-ilmenite
2000T-213	381556.81	6105384.50	0.18	0.14	2.07	20.60	29.20	11.77	31.89	0.06	1.20	97.11	Fe-Ti oxide
2000T-214	380459.88	6105602.00	1.47	0.00	11.77	35.51	0.04	3.42	0.00	40.13	6.89	99.23	Cr-spinel
2000T-216	383573.22	6109146.50	0.13	0.08	8.55	27.18	0.06	3.33	0.00	46.59	13.89	99.81	Cr-spinel
2000T-218	389764.00	6111144.00	0.23	0.00	11.95	29.95	0.04	0.24	0.00	49.17	6.99	98.57	Cr-spinel
2000T-218	389764.00	6111144.00	0.30	0.14	0.41	29.01	0.00	51.42	0.00	5.41	13.37	100.06	Mg-ilmenite
2000T-219	390098.19	6111950.00	0.11	0.00	8.15	33.98	0.00	6.13	0.00	35.47	15.65	99.49	Cr-spinel
2000T-228	386397.94	6109043.50	0.00	0.00	18.34	14.55	0.00	0.17	0.00	53.22	14.78	101.05	Cr-spinel
2000T-228	386397.94	6109043.50	0.15	0.04	7.24	29.89	0.00	3.15	0.00	44.21	13.97	98.65	Cr-spinel
2000T-234	392301.84	6112182.50	0.60	0.00	20.36	8.20	42.48	0.06	5.73	3.81	19.25	100.50	non-titanian Cr-pyrope (G9)
2000T-242	381725.97	6118149.50	0.29	0.00	22.08	16.46	0.04	0.15	0.00	46.85	14.79	100.67	Cr-spinel
2000T-242	381725.97	6118149.50	0.41	0.00	2.80	26.51	0.00	2.88	0.00	56.20	10.19	99.00	Cr-spinel
2000T-242	381725.97	6118149.50	1.02	0.20	6.83	20.11	0.33	0.14	0.00	63.81	8.97	101.40	Cr-spinel
2000T-246	389829.19	6119804.50	0.62	0.15	0.00	37.08	0.02	47.49	0.00	2.92	9.68	97.97	Mg-ilmenite
2000T-247	387542.09	6120739.50	27.44	0.14	19.10	13.00	37.78	0.12	1.27	0.08	0.57	99.51	spessartite
2000T-252	390174.03	6112731.00	0.28	0.00	5.49	28.83	0.06	3.30	0.00	49.33	12.13	99.41	Cr-spinel
2000T-252	390174.03	6112731.00	0.39	0.04	18.02	16.78	0.00	0.12	0.00	50.02	13.94	99.33	Cr-spinel
2000T-252	390174.03	6112731.00	0.37	0.00	14.75	27.92	0.00	0.19	0.00	49.24	7.89	100.36	Cr-spinel
2000T-252	390174.03	6112731.00	0.26	0.06	14.11	25.44	0.02	0.28	0.00	53.39	7.11	100.67	Cr-spinel
2000T-253	395615.16	6113826.50	0.02	0.00	32.41	14.13	0.22	0.48	0.00	36.21	17.88	101.36	Cr-spinel
2000T-253	395615.16	6113826.50	0.27	0.00	18.81	14.99	0.01	0.25	0.06	49.86	13.79	98.05	Cr-spinel
2000T-253	395615.16	6113826.50	0.24	0.02	0.13	30.61	0.00	51.68	0.00	3.02	12.16	97.86	Mg-ilmenite
2000T-254	396711.59	6114399.00	0.22	0.00	19.33	22.08	0.12	2.13	0.00	40.04	15.76	99.68	Cr-spinel
2000T-255	398099.66	6117886.50	0.35	0.02	10.24	34.45	0.00	0.34	0.00	48.81	6.60	100.81	Cr-spinel
2000T-255	398099.66	6117886.50	0.12	0.00	23.01	19.27	0.00	0.09	0.00	44.14	13.53	100.15	Cr-spinel
2000T-256	403018.75	6120422.00	0.14	0.00	13.20	34.08	0.04	6.58	0.00	31.78	11.96	97.78	Cr-spinel
2000T-259	394433.78	6120179.50	0.81	0.07	13.10	34.31	0.06	0.31	0.00	48.40	1.86	98.92	Cr-spinel
2000T-259	394433.78	6120179.50	0.25	0.00	0.23	44.39	0.00	45.08	0.00	0.43	6.57	96.95	Mg-ilmenite
2000T-260	392810.16	6120480.50	0.01	0.00	7.62	32.10	0.00	3.44	0.00	45.40	9.68	98.26	Cr-spinel
2000T-261	395856.13	6121526.00	0.08	0.00	17.90	14.34	0.02	0.14	0.00	51.93	14.84	99.25	Cr-spinel
2000T-262	382201.84	6113313.00	0.46	0.13	16.95	7.63	42.19	0.29	6.22	7.57	18.00	99.44	titanian Cr-pyrope (G11)
2000T-264	380485.66	6115711.50	0.37	0.30	2.18	19.66	30.47	11.70	31.43	0.02	0.99	97.13	Fe-Ti oxide
2000T-264	380485.66	6115711.50	0.57	0.05	22.32	21.95	40.85	0.21	5.61	0.11	9.27	100.94	garnet
2000T-264	380485.66	6115711.50	0.27	0.08	21.22	7.24	42.85	0.16	5.08	4.67	19.77	101.35	non-titanian Cr-pyrope (G9)
2000T-268	378764.00	6115647.00	0.32	0.02	0.10	34.69	0.11	48.41	0.00	4.26	9.75	97.65	Mg-ilmenite
2000T-273	379539.09	6113473.00	0.37	0.02	0.16	34.38	0.00	49.75	0.00	4.62	9.89	99.19	Mg-ilmenite
2000T-273	379539.09	6113473.00	0.39	0.04	20.65	7.66	43.14	0.02	5.31	4.61	18.49	100.31	non-titanian Cr-pyrope (G9)
2000T-274	378643.41	6113610.00	0.38	0.00	0.01	32.83	0.06	50.20	0.00	4.32	11.24	99.04	Mg-ilmenite
2000T-274	378643.41	6113610.00	0.26	0.02	0.65	31.13	0.00	51.86	0.00	2.85	11.33	98.11	Mg-ilmenite
2000T-277	376521.69	6112449.50	0.33	0.00	7.05	29.73	0.13	3.95	0.00	45.08	12.67	98.95	Cr-spinel
2000T-278	375920.22	6119958.50	0.13	0.00	7.15	30.24	0.00	4.19	0.00	42.56	13.28	97.55	Cr-spinel
2000T-280	377783.25	6117499.50	0.10	0.00	16.80	15.33	0.02	0.11	0.00	53.15	14.40	99.91	Cr-spinel
2000T-280	377783.25	6117499.50	0.25	0.06	0.00	33.74	0.06	51.28	0.00	3.05	10.60	99.04	Mg-ilmenite
2000T-280	377783.25	6117499.50	0.52	0.07	18.43	7.34	41.84	0.20	5.82	6.87	19.00	100.08	non-titanian Cr-pyrope (G9)
2000T-280	377783.25	6117499.50	0.34	0.05	19.79	7.33	42.12	0.31	5.06	5.05	20.32	100.36	titanian Cr-pyrope (G11)
2000T-282	374344.63	6110827.50	0.48	0.00	0.34	31.78	0.00	51.91	0.01	2.21	11.23	97.97	Mg-ilmenite
2000T-283	372750.41	6110253.50	0.39	0.02	0.06	37.64	0.00	48.52	0.00	3.08	8.62	98.32	Mg-ilmenite
2000T-284	371076.44	6112518.50	0.22	0.02	18.52	16.97	0.01	0.13	0.09	51.45	11.53	98.94	Cr-spinel
2000T-289	377610.78	6110969.00	0.31	0.02	13.46	19.64	0.02	0.33	0.00	53.07	12.24	99.10	Cr-spinel
2000T-289	377610.78	6110969.00	0.19	0.00	8.69	30.99	0.00	3.24	0.00	43.14	13.33	99.59	Cr-spinel
2000T-290	382417.03	6114793.00	0.19	0.00	25.01	27.61	0.00	0.05	0.00	35.01	10.72	98.59	Cr-spinel
2000T-290	382417.03	6114793.00	0.19	0.15	10.28	27.56	0.08	3.86	0.00	43.72	12.69	98.53	Cr-spinel
2000T-290	382417.03	6114793.00	0.47	0.09	19.14	7.04	41.93	0.23	5.07	6.04	20.29	100.30	non-titanian Cr-pyrope (G9)/(G10)
2000T-291	383696.41	6115010.50	0.13	0.00	16.94	14.99	0.00	0.21	0.00	52.64	13.58	98.48	Cr-spinel
2000T-294	388431.34	6117653.00	0.34	0.00	0.34	44.43	0.00	47.23	0.06	0.00	6.18	98.58	Mg-ilmenite
2000T-295	390772.88	6115942.50	0.21	0.04	21.62	16.24	0.00	0.25	0.00	47.29	14.55	100.20	Cr-spinel
2000T-295	390772.88	6115942.50	0.00	0.00	18.29	14.40	0.00	0.11	0.00	53.57	14.44	100.82	Cr-spinel
2000T-295	390772.88	6115942.50	0.33	0.00	0.04	35.74	0.00	50.17	0.00	2.90	9.60	98.78	Mg-ilmenite
2000T-299	389554.72	6118795.50	0.29	0.00	16.62	25.55	0.00	0.13	0.00	47.19	9.18	98.96	Cr-spinel
2000T-303	399031.28	6117190.50	0.09	0.00	23.04	15.56	0.00	0.28	0.00	45.84	15.25	100.07	Cr-spinel
2000T-305	394394.06	6121113.00	0.19	0.23	0.23	30.20	0.00	52.52	0.01	2.53	12.31	98.21	Mg-ilmenite
2000T-310	386862.44	6121457.50	0.34	0.12	21.97	18.23	0.00	0.00	0.00	47.03	12.92	100.60	Cr-spinel
2000T-312	401764.13	6124868.00	0.25	0.18	23.44	22.84	0.00	0.01	0.00	43.32	9.78	99.83	Cr-spinel
2000T-316	393563.53	6115607.50	0.28	0.00	0.03	36.13	0.06	47.77	0.00	4.37	9.70	98.33	Mg-ilmenite
2000T-317	395119.63	6116693.00	0.29	0.10	0.30	31.26	0.00	53.27	0.00	2.47	13.15	100.84	Mg-ilmenite

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
2000T-317	395119.63	6116693.00	0.37	0.00	0.46	37.02	0.06	50.05	0.01	0.67	9.98	98.61	Mg-ilmenite
2000T-320	393461.94	6117975.00	0.27	0.00	9.22	32.93	0.06	4.65	0.00	37.80	13.32	98.26	Cr-spinel
2000T-324	405468.59	6118863.50	0.56	0.08	20.77	8.20	42.42	0.15	4.84	4.30	20.14	101.47	non-titanian Cr-pyrope (G9)
2000T-326	403152.28	6115757.50	0.87	0.16	10.45	32.77	0.18	0.34	0.12	50.93	1.97	97.78	Cr-spinel
2000T-326	403152.28	6115757.50	0.45	0.00	20.98	20.49	0.00	0.09	0.00	46.36	11.63	100.00	Cr-spinel
2000T-327	401644.22	6117724.00	0.26	0.00	15.46	28.92	0.00	0.28	0.00	49.14	4.90	98.96	Cr-spinel
2000T-327	401644.22	6117724.00	0.52	0.00	16.79	23.56	0.15	0.16	0.00	49.98	8.92	100.08	Cr-spinel
2000T-327	401644.22	6117724.00	0.50	0.08	17.00	27.78	0.00	0.07	0.00	47.46	6.98	99.87	Cr-spinel
2000T-327	401644.22	6117724.00	0.36	0.08	0.47	34.03	0.06	48.42	0.00	5.21	10.58	99.21	Mg-ilmenite
2000T-329	399739.69	6116073.00	0.33	0.22	7.65	33.81	0.00	5.22	0.05	36.01	13.32	96.61	Cr-spinel
2000T-329	399739.69	6116073.00	0.34	0.00	18.73	7.05	41.87	0.00	6.27	5.69	18.77	98.71	non-titanian Cr-pyrope (G9)
2000T-332	388402.53	6110279.50	0.19	0.06	8.89	25.84	0.13	3.23	0.00	47.57	13.89	99.80	Cr-spinel
2000T-336	386319.13	6111064.50	0.16	0.18	15.13	18.82	0.07	1.99	0.10	50.68	10.08	97.22	Cr-spinel
2000T-337	382498.38	6109258.00	0.53	0.07	16.93	7.55	41.59	0.11	6.34	8.40	18.72	100.24	non-titanian Cr-pyrope (G9)
2000T-340	378880.78	6116494.50	0.26	0.00	16.18	23.74	0.04	1.28	0.00	45.61	12.54	99.66	Cr-spinel
2000T-342	380948.22	6114359.50	0.21	0.11	17.74	33.15	0.08	0.76	0.00	42.75	4.44	99.25	Cr-spinel
2000T-342	380948.22	6114359.50	0.07	0.03	0.06	87.38	0.02	0.01	0.08	0.00	0.19	87.84	hematite
2000T-342	380948.22	6114359.50	0.40	0.00	0.06	34.36	0.00	49.29	0.00	3.92	10.96	98.98	Mg-ilmenite
2000T-342	380948.22	6114359.50	0.17	0.02	0.13	32.58	0.06	52.35	0.00	2.37	11.65	99.32	Mg-ilmenite
2000T-342	380948.22	6114359.50	0.12	0.00	32.11	15.10	0.00	0.39	0.06	37.45	13.39	98.63	spinel
2000T-342	380948.22	6114359.50	0.00	0.04	30.65	16.39	0.14	0.71	0.00	35.16	17.05	100.13	spinel
2000T-344	374923.78	6117839.50	0.20	0.00	8.22	26.65	0.17	3.26	0.00	46.25	12.85	97.59	Cr-spinel
2000T-344	374923.78	6117839.50	0.26	0.10	18.85	23.94	0.00	0.18	0.00	45.76	9.92	99.02	Cr-spinel
2000T-344	374923.78	6117839.50	0.30	0.02	0.00	35.08	0.00	49.26	0.03	2.45	10.98	98.12	Mg-ilmenite
2000T-346	370761.88	6118036.00	0.06	0.00	17.07	19.87	0.14	1.31	0.00	47.14	15.59	101.18	Cr-spinel
2000T-346	370761.88	6118036.00	0.23	0.04	0.10	31.74	0.00	53.14	0.00	2.03	12.39	99.66	Mg-ilmenite
2000T-347	372443.16	6117141.00	0.30	0.00	9.73	30.60	0.00	3.46	0.00	42.37	10.79	97.25	Cr-spinel
2000T-347	372443.16	6117141.00	0.27	0.04	20.54	7.47	41.87	0.23	4.84	4.18	20.54	99.98	non-titanian Cr-pyrope (G9)
2000T-354	392236.41	6123705.50	0.25	0.00	7.46	25.17	0.11	2.98	0.00	48.36	13.85	98.18	Cr-spinel
2000T-354	392236.41	6123705.50	0.39	0.00	14.83	23.26	0.00	0.42	0.02	49.57	11.88	100.36	Cr-spinel
2000T-354	392236.41	6123705.50	0.14	0.00	8.03	29.85	0.02	3.73	0.00	43.21	13.59	98.58	Cr-spinel
2000T-354	392236.41	6123705.50	0.21	0.04	0.25	32.19	0.00	52.88	0.00	2.31	11.27	99.16	Mg-ilmenite
2000T-356	378960.09	6100575.00	0.34	0.16	19.83	6.73	42.78	0.22	4.54	3.40	20.85	98.85	non-titanian Cr-pyrope (G9)
2000T-356	378960.09	6100575.00	0.38	0.03	17.61	7.22	41.46	0.15	5.70	8.23	19.09	99.88	non-titanian Cr-pyrope (G9)
2000T-357	382146.16	6101546.50	0.59	0.00	0.00	48.77	0.00	48.71	0.00	0.21	0.28	98.56	ilmenite
2000T-357	382146.16	6101546.50	0.21	0.00	0.61	40.31	0.00	45.53	0.00	0.77	9.47	96.92	Mg-ilmenite
2000T-358	384700.47	6100007.50	0.44	0.00	0.06	34.05	0.00	52.03	0.00	2.37	11.11	100.06	Mg-ilmenite
2000T-361	376265.22	6096775.50	0.10	0.22	17.63	26.82	0.06	2.27	0.00	37.85	14.15	99.10	Cr-spinel
2000T-362	380254.41	6098643.00	0.18	0.04	17.96	19.08	0.00	0.10	0.00	49.48	12.59	99.44	Cr-spinel
2000T-364	382689.63	6104796.00	0.08	0.00	18.76	14.53	0.00	0.19	0.00	52.63	14.74	100.93	Cr-spinel
2000T-366	376100.69	6107566.50	0.21	0.00	10.14	24.31	0.00	0.25	0.00	54.06	10.43	99.39	Cr-spinel
2000T-366	376100.69	6107566.50	0.33	0.00	0.41	35.58	0.00	51.65	0.00	0.51	9.83	98.31	Mg-ilmenite
2000T-368	375676.59	6109114.50	0.23	0.00	20.72	6.77	42.45	0.25	5.41	4.90	20.44	101.17	non-titanian Cr-pyrope (G9)
2000T-368	375676.59	6109114.50	0.34	0.00	21.47	8.55	42.27	0.23	4.61	3.41	20.57	101.44	non-titanian Cr-pyrope (G9)

Appendix 1: Mineral Chemistry and Classifications (0.5 mm).

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
1996T-009	259161.75	6033137.15	0.47	1.99	13.20	21.68	41.60	1.14	11.30	0.00	5.65	97.03	eclogitic garnet
1996T-019	237614.53	6037718.54	0.31	0.00	19.30	8.25	43.30	0.70	5.26	3.74	20.58	101.43	garnet (G4)
1996T-019	237614.53	6037718.54	0.52	0.00	0.14	33.41	0.00	49.50	0.00	3.70	11.11	98.38	Mg-ilmenite
1996T-019	237614.53	6037718.54	0.46	0.04	0.11	30.64	0.00	51.27	0.00	4.31	11.45	98.27	Mg-ilmenite
1996T-027	236367.22	6035096.39	0.67	0.00	21.23	8.47	42.44	0.03	4.71	2.66	19.59	99.80	non-titanian Cr-pyrope (G9)
1996T-030	242624.32	6036513.37	0.45	0.07	0.07	43.86	0.00	46.68	0.00	1.16	6.00	98.29	Mg-ilmenite
1996T-031	240105.27	6036038.57	0.62	0.00	0.24	31.73	0.00	52.49	0.00	2.33	11.09	98.49	Mg-ilmenite
1996T-042	258625.09	6066693.92	0.57	0.00	0.08	36.30	0.00	48.42	0.00	3.10	10.27	98.74	Mg-ilmenite
1996T-042	258625.09	6066693.92	0.47	0.00	0.04	42.78	0.00	45.58	0.00	2.39	6.95	98.21	Mg-ilmenite
1996T-044	263099.04	6069197.27	0.45	0.00	21.41	8.27	42.96	0.00	4.65	3.46	20.21	101.42	non-titanian Cr-pyrope (G9)
1996T-046	257342.35	6068633.38	0.45	0.00	21.27	8.44	41.95	0.08	5.01	2.68	19.11	99.01	non-titanian Cr-pyrope (G9)
1996T-046	257342.35	6068633.38	0.48	0.02	0.07	28.73	0.00	52.03	0.00	5.02	12.27	98.62	Mg-ilmenite
1996T-046	257342.35	6068633.38	0.42	0.00	0.39	29.64	0.00	53.11	0.00	3.13	13.40	100.08	Mg-ilmenite
1996T-046	257342.35	6068633.38	0.38	0.17	0.16	32.89	0.00	50.99	0.00	3.20	11.29	99.08	Mg-ilmenite
1996T-046	257342.35	6068633.38	0.48	0.00	0.13	33.15	0.00	50.16	0.00	2.68	11.33	97.93	Mg-ilmenite
1996T-046	257342.35	6068633.38	0.52	0.11	0.08	36.76	0.00	48.14	0.00	3.15	10.36	99.10	Mg-ilmenite
1996T-047	235214.99	6061976.11	0.44	0.00	0.20	33.83	0.00	50.57	0.00	3.21	10.83	99.08	Mg-ilmenite
1996T-047	235214.99	6061976.11	0.42	0.00	0.10	35.45	0.00	52.97	0.00	0.33	11.64	100.92	Mg-ilmenite
1996T-047	235214.99	6061976.11	0.49	0.02	14.47	20.52	0.00	0.30	0.00	51.52	11.79	99.11	Cr-spinel
1996T-051	278390.15	6073494.58	0.71	0.02	0.09	35.24	0.00	49.35	0.00	3.20	9.99	98.58	Mg-ilmenite
1996T-055	294607.09	6079302.97	0.50	0.02	0.19	31.60	0.00	53.55	0.00	2.56	11.09	99.51	Mg-ilmenite
1996T-058	294039.58	6079240.26	0.51	0.02	0.13	33.71	0.00	50.29	0.00	2.75	10.55	97.96	Mg-ilmenite
1996T-066	284600.25	6073809.25	0.54	0.06	18.41	18.76	0.04	0.49	0.00	48.02	12.85	99.17	Cr-spinel
1996T-109	347630.43	6053790.23	0.18	2.31	2.38	3.05	55.24	0.13	18.48	1.41	17.89	101.08	garnet (G8)
1996T-115	347942.36	6052746.22	0.40	0.00	0.20	32.33	0.00	51.24	0.00	4.24	11.60	100.00	Mg-ilmenite
1996T-119	357513.53	6052037.31	0.49	0.00	21.19	24.97	38.42	0.07	6.82	0.00	7.58	99.55	garnet (G3)
1996T-119	357513.53	6052037.31	0.42	0.06	17.91	27.50	0.00	0.05	0.00	43.63	9.50	99.07	Cr-spinel
1996T-119	357513.53	6052037.31	0.43	0.00	23.12	16.93	0.00	0.10	0.00	44.63	14.29	99.50	Cr-spinel
1996T-129	356341.42	6051856.75	0.44	0.00	0.24	33.27	0.00	50.81	0.00	2.98	12.16	99.91	Mg-ilmenite
1996T-129	356341.42	6051856.75	0.50	0.00	0.18	90.53	0.00	0.08	0.00	0.10	0.00	91.39	magnetite
1996T-130	356446.68	6053449.82	0.25	0.04	0.44	31.62	0.00	52.99	0.00	1.58	12.21	99.13	Mg-ilmenite
1996T-130	356446.68	6053449.82	0.20	0.00	48.66	10.05	0.00	0.01	0.00	21.62	19.59	100.13	Cr-spinel
1996T-139	258277.40	6034069.13	0.42	0.02	0.07	35.92	0.00	48.62	0.00	2.84	10.06	97.95	Mg-ilmenite
1996T-139	258277.40	6034069.13	0.67	0.00	5.18	18.96	0.00	0.07	0.00	64.81	9.45	99.14	Cr-spinel
1996T-148	285354.50	6033073.43	0.48	0.00	21.37	20.41	39.87	0.12	4.70	0.73	11.63	99.32	garnet (G3)
1996T-148	285354.50	6033073.43	0.45	0.00	21.94	11.71	41.51	0.59	4.71	0.52	19.51	100.93	eclogitic garnet
1996T-148	285354.50	6033073.43	0.41	0.00	20.72	7.42	41.98	0.14	4.57	3.50	21.38	100.12	non-titanian Cr-pyrope (G9)
1996T-153	314656.92	6043276.73	0.24	0.00	20.56	7.16	43.35	0.24	4.79	3.09	20.66	100.09	non-titanian Cr-pyrope (G9)
1996T-161	319598.52	6041682.17	0.37	0.00	0.61	30.06	0.00	51.77	0.00	3.03	13.23	99.07	Mg-ilmenite
1996T-165	314649.51	6040888.89	0.49	0.20	0.26	37.54	0.00	48.23	0.00	3.45	10.05	100.21	Mg-ilmenite
1996T-166	313600.25	6041328.81	0.53	0.00	0.22	32.82	0.00	52.11	0.00	3.12	10.50	99.30	Mg-ilmenite
1996T-168	313000.37	6040897.37	0.58	0.04	0.12	31.95	0.00	51.91	0.00	2.45	11.41	98.46	Mg-ilmenite
1996T-169	312167.10	6041856.76	2.92	0.04	0.05	21.77	0.00	59.21	0.00	0.00	15.04	99.03	Mg-ilmenite
1996T-174	310958.14	6041872.78	0.38	0.06	0.16	33.85	0.00	50.39	0.00	3.39	10.39	98.62	Mg-ilmenite
1996T-174	310958.14	6041872.78	0.46	0.04	18.07	18.97	0.00	0.15	0.00	49.28	12.24	99.21	Cr-spinel
1996T-175	309932.15	6042373.96	0.41	0.04	0.52	27.95	0.00	52.35	0.00	4.08	13.31	98.66	Mg-ilmenite
1996T-192	295484.37	6037277.41	0.66	0.02	0.12	33.47	0.00	50.40	0.00	3.23	9.90	97.79	Mg-ilmenite
1996T-211	244863.90	6038737.26	0.49	0.03	19.55	7.60	42.17	0.32	5.01	4.40	21.19	100.77	titanian Cr-pyrope (G11)
1996T-212	243181.26	6039306.79	0.53	0.00	0.22	33.22	0.00	51.86	0.00	2.15	10.69	98.68	Mg-ilmenite
1997T-006	518401.00	6043035.00	0.47	0.00	22.18	8.64	42.28	0.02	4.53	1.43	20.23	99.76	non-titanian Cr-pyrope (G9)
1997T-023	509948.00	6053778.00	0.53	0.02	20.10	8.20	41.59	0.07	4.61	4.06	18.97	98.15	non-titanian Cr-pyrope (G9)
1997T-023	509948.00	6053778.00	0.41	0.00	18.15	8.31	42.04	0.28	5.76	5.36	18.12	98.43	non-titanian Cr-pyrope (G9)
1997T-026	507026.00	6053858.00	0.81	0.00	21.14	19.79	39.99	0.11	5.89	0.15	10.56	98.43	almandite
1997T-037	512445.00	6053053.00	0.38	0.00	0.00	41.51	0.02	45.61	0.00	2.66	7.85	98.03	Mg-ilmenite
1997T-045	501781.00	6059766.00	0.33	0.00	0.09	33.03	0.00	51.22	0.00	2.26	11.69	98.62	Mg-ilmenite
1997T-071	518287.00	6046419.00	0.37	0.00	21.13	7.47	43.18	0.20	4.47	2.09	20.69	99.59	non-titanian Cr-pyrope (G9)
1997T-138	513788.00	6053203.00	0.23	0.01	0.15	33.28	0.02	51.61	0.00	3.43	12.44	101.17	Mg-ilmenite
1997T-143	503707.00	6055102.00	0.06	0.07	0.04	93.12	0.04	0.10	0.00	0.04	0.15	93.62	magnetite
1997T-159	512845.00	6033996.00	0.32	0.00	0.16	33.73	0.00	48.15	0.00	3.53	11.65	97.54	Mg-ilmenite
1997T-171	516472.00	6033483.00	0.36	0.00	18.99	7.71	43.25	0.13	5.00	4.81	18.12	98.37	non-titanian Cr-pyrope (G9)
1997T-171	516472.00	6033483.00	0.34	0.00	0.21	38.98	0.00	45.15	0.00	5.66	8.60	98.95	Mg-ilmenite
1997T-184	521348.00	6034014.00	0.55	0.13	21.53	25.20	39.88	0.16	6.18	0.06	7.47	101.14	almandite
1997T-190	498167.00	6028367.00	0.18	0.00	0.24	33.34	0.00	49.55	0.00	3.23	13.08	99.63	Mg-ilmenite
1997T-221	491778.00	6033333.00	0.26	0.00	0.01	93.54	0.00	0.00	0.01	0.00	0.11	93.94	magnetite
1997T-244	453747.00	6028681.00	0.10	0.00	0.08	93.59	0.00	0.08	0.00	0.01	0.00	93.87	magnetite
1997T-245	452251.00	6028338.00	0.04	0.00	0.00	94.24	0.00	0.02	0.00	0.02	0.00	94.32	magnetite
1997T-252	445395.00	6029398.00	0.28	0.01	0.05	32.70	0.02	52.06	0.00	3.64	11.32	100.07	Mg-ilmenite
1997T-252	445395.00	6029398.00	0.29	0.01	0.05	36.13	0.00	49.72	0.00	3.18	10.69	100.07	Mg-ilmenite
1997T-261	448532.00	6027763.00	0.37	0.25	0.03	34.46	0.00	50.02	0.00	3.15	10.97	99.25	Mg-ilmenite
1997T-271	465155.00	6030614.00	0.45	0.11	16.90	7.08	41.36	0.12	5.94	8.35	17.63	97.95	non-titanian Cr-pyrope (G9)
1998T-2	419789.00	6046717.00	0.29	0.00	0.29	33.43	0.00	51.93	0.03	2.86	11.63	100.45	Mg-ilmenite
1998T-3	419903.00	6044273.00	0.15	0.18	0.06	92.85	0.00	0.26	0.03	0.17	0.00	93.70	magnetite
1998T-4	424854.00	6040934.00	0.38	0.00	18.29	7.58	40.24	0.44	5.77	6.20	20.00	98.91	titanian Cr-pyrope (G11)

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
1998T-8	415727.00	6042908.00	0.41	0.05	20.74	9.37	40.22	0.55	4.77	4.03	18.92	99.04	titanian Cr-pyrope (G11)
1998T-18	415078.09	6012325.00	0.06	0.00	0.00	92.64	0.00	0.11	0.03	0.10	0.00	92.95	magnetite
1998T-18	415078.09	6012325.00	0.22	0.03	0.13	95.09	0.04	0.05	0.00	0.14	0.01	95.73	magnetite
1998T-18	415078.09	6012325.00	37.66	0.00	20.59	5.01	37.12	0.07	0.70	0.08	0.12	101.35	spessartite
1998T-19	414432.16	6013288.00	0.30	0.00	0.30	30.93	0.00	50.10	0.04	4.61	12.08	98.36	Mg-ilmenite
1998T-24	379613.00	6025712.00	0.41	0.03	21.50	9.19	42.10	0.29	4.99	3.17	19.37	101.06	non-titanian Cr-pyrope (G9)
1998T-27	375906.00	6025997.00	0.11	3.12	2.47	3.53	55.30	0.28	18.35	1.50	16.23	100.91	Cr-diopside
1998T-27	375906.00	6025997.00	0.32	0.00	0.00	39.01	0.00	49.53	0.05	3.11	8.34	100.36	Mg-ilmenite
1998T-31	372780.00	6028156.00	0.34	0.10	0.13	33.10	0.00	51.99	0.01	2.41	11.08	99.17	Mg-ilmenite
1998T-42	317884.00	6042024.50	0.44	0.00	0.01	34.15	0.00	51.63	0.00	3.41	11.30	100.94	Mg-ilmenite
1998T-50	317241.97	6039935.50	0.49	0.21	0.09	36.49	0.00	50.49	0.00	3.31	9.00	100.08	Mg-ilmenite
1998T-55	426549.00	6042653.00	0.41	0.00	0.03	44.57	0.00	46.24	0.01	2.38	6.81	100.45	Mg-ilmenite
1998T-61	428648.00	6042511.00	0.36	0.05	0.09	33.11	0.00	52.39	0.00	2.05	10.92	98.96	Mg-ilmenite
1998T-70	411122.00	6046567.00	0.05	0.14	0.02	94.57	0.02	0.04	0.07	0.07	0.07	95.06	magnetite
1998T-72	413024.00	6047216.00	0.30	0.07	0.05	93.01	0.00	0.01	0.03	0.06	0.01	93.54	magnetite
1998T-72	413024.00	6047216.00	0.32	0.13	0.04	33.46	0.00	50.23	0.01	3.37	11.21	98.77	Mg-ilmenite
1998T-75	422108.00	6041765.00	0.03	0.14	0.00	93.92	0.00	0.00	0.05	0.07	0.00	94.21	magnetite
1998T-79	432599.00	6044519.00	0.23	0.00	0.06	92.95	0.00	0.00	0.04	0.08	0.13	93.50	magnetite
1998T-104	423848.47	6036518.50	0.75	0.00	15.24	13.67	0.11	0.15	0.08	58.14	13.57	101.69	Cr-spinel
1998T-113	419846.59	6036918.50	0.26	0.19	0.17	36.84	0.00	50.40	0.03	2.84	9.92	100.65	Mg-ilmenite
1998T-116	417811.72	6039129.50	0.21	0.08	0.02	38.47	0.00	49.69	0.04	2.78	8.89	100.18	Mg-ilmenite
1998T-119	425480.31	6033803.50	0.47	0.05	15.66	16.52	0.00	0.20	0.01	54.22	13.07	100.19	Cr-spinel
1998T-119	425480.31	6033803.50	0.48	0.13	0.16	37.48	0.00	49.77	0.01	2.77	8.49	99.29	Mg-ilmenite
1998T-142	397559.00	6017711.00	0.18	0.18	0.05	93.19	0.00	0.04	0.03	0.09	0.04	93.80	magnetite
1998T-152	395886.00	6015171.00	0.07	0.07	0.00	93.79	0.00	0.02	0.08	0.06	0.46	94.55	magnetite
1998T-158	405343.31	6008893.50	0.10	0.00	0.09	94.32	0.00	0.10	0.06	0.06	0.01	94.75	magnetite
1998T-166	385391.00	6021255.00	0.24	0.27	0.36	41.65	0.00	49.19	0.05	0.24	7.64	99.65	Mg-ilmenite
1998T-168	389115.00	6015922.00	0.47	0.28	0.00	93.45	0.00	0.01	0.03	0.00	0.00	94.24	magnetite
1998T-168	389115.00	6015922.00	0.12	0.00	0.07	93.70	0.01	0.06	0.02	0.01	0.13	94.11	magnetite
1998T-175	391283.00	6014472.00	0.30	0.08	19.26	7.78	40.65	0.30	4.76	6.53	20.29	99.95	non-titanian Cr-pyrope (G10)
1998T-181	326531.88	6040989.00	0.32	0.13	0.26	29.44	0.00	52.10	0.04	3.17	13.07	98.52	Mg-ilmenite
1998T-191	348726.41	6040743.00	0.04	0.18	0.16	93.29	0.00	0.12	0.05	0.06	0.16	94.06	magnetite
1998T-192	347772.47	6041683.00	0.11	2.57	2.71	3.11	54.38	0.41	18.93	1.69	15.89	99.79	Cr-diopside
1998T-200	341465.56	6040134.00	0.42	0.16	0.00	37.23	0.00	49.78	0.02	3.16	10.04	100.81	Mg-ilmenite
1999T-5	386340.97	6060776.00	0.14	0.33	0.00	91.57	0.00	0.09	0.00	3.65	0.00	95.78	magnetite
1999T-12	384139.45	6089907.45	0.18	0.25	0.07	33.99	0.00	51.32	0.00	2.56	10.83	99.20	Mg-ilmenite
1999T-12	384139.45	6089907.45	0.36	0.15	0.00	34.24	0.00	49.55	0.00	4.47	10.86	99.63	Mg-ilmenite
1999T-18	384402.98	6085799.86	0.20	0.21	21.80	9.07	42.45	0.46	3.70	1.64	20.48	100.01	titanian Cr-pyrope (G1)
1999T-19	383518.94	6085591.65	0.20	0.07	0.00	31.40	0.00	50.82	0.00	4.75	12.83	100.08	Mg-ilmenite
1999T-26	389273.35	6089551.83	0.28	0.13	0.00	37.15	0.00	49.18	0.00	2.96	9.77	99.47	Mg-ilmenite
1999T-26	389273.35	6089551.83	0.16	0.09	0.13	33.08	0.00	51.38	0.00	2.42	11.03	98.30	Mg-ilmenite
1999T-26	389273.35	6089551.83	0.21	0.28	0.03	93.42	0.00	0.04	0.00	0.01	0.00	93.99	magnetite
1999T-31	387776.64	6087871.04	0.15	0.07	0.00	33.74	0.00	51.44	0.00	3.68	11.59	100.67	Mg-ilmenite
1999T-31	387776.64	6087871.04	0.34	0.07	0.00	34.40	0.00	50.44	0.00	3.25	11.20	99.71	Mg-ilmenite
1999T-39	392898.97	6086971.53	0.17	0.00	0.00	33.91	0.00	50.15	0.00	3.43	11.88	99.55	Mg-ilmenite
1999T-43	389804.68	6084999.49	0.05	0.00	0.00	95.32	0.00	0.09	0.00	0.00	0.15	95.62	magnetite
1999T-48	383904.64	6082648.05	0.23	0.20	21.10	7.74	40.85	0.18	4.63	3.16	20.89	99.00	non-titanian Cr-pyrope (G9)
1999T-48	383904.64	6082648.05	0.26	0.07	22.54	15.11	40.08	0.22	9.67	0.09	11.87	99.91	non-titanian Cr-pyrope (G7)
1999T-50	387427.39	6090166.15	0.24	0.26	0.17	31.91	0.00	51.60	0.00	3.41	12.80	100.40	Mg-ilmenite
1999T-50	387427.39	6090166.15	0.07	0.02	0.00	94.36	0.00	0.00	0.00	0.00	0.00	94.47	magnetite
1999T-53	381611.17	6087984.39	0.53	0.25	21.64	9.84	41.64	0.49	4.26	1.62	19.52	99.80	titanian Cr-pyrope (G1)
1999T-53	381611.17	6087984.39	0.23	0.07	0.12	34.15	0.00	50.71	0.00	3.26	10.59	99.14	Mg-ilmenite
1999T-53	381611.17	6087984.39	0.34	0.09	0.00	33.96	0.00	50.97	0.00	3.50	11.11	99.96	Mg-ilmenite
1999T-53	381611.17	6087984.39	0.00	0.34	0.09	94.65	0.00	0.10	0.00	0.01	0.00	95.18	magnetite
1999T-56	384593.57	6087985.36	0.36	0.13	0.13	93.70	0.00	0.35	0.00	0.04	0.11	94.83	magnetite
1999T-64	370818.75	6084894.62	0.17	0.13	0.00	94.77	0.00	0.02	0.00	0.11	0.00	95.20	magnetite
1999T-67	369512.90	6082951.85	0.28	0.09	20.22	7.57	40.53	0.30	4.91	5.69	21.28	100.37	titanian Cr-pyrope (G11)
1999T-71	375594.28	6084702.04	0.24	0.17	0.12	33.27	0.00	51.79	0.00	2.25	11.73	99.57	Mg-ilmenite
1999T-71	375594.28	6084702.04	0.17	0.07	0.02	34.03	0.00	51.52	0.00	2.80	10.28	98.90	Mg-ilmenite
1999T-73	370656.16	6087109.32	0.18	0.07	21.64	7.97	40.20	0.38	4.88	4.29	20.43	100.05	titanian Cr-pyrope (G11)
1999T-75	367566.14	6083452.59	0.21	0.14	0.00	38.57	0.00	48.67	0.00	3.18	9.11	99.87	Mg-ilmenite
1999T-75	367566.14	6083452.59	0.29	0.13	0.12	32.64	0.00	50.90	0.00	2.96	11.98	99.03	Mg-ilmenite
1999T-75	367566.14	6083452.59	0.07	0.07	0.05	93.25	0.00	0.00	0.00	0.01	0.00	93.46	magnetite
1999T-75	367566.14	6083452.59	0.07	0.07	0.18	93.69	0.00	0.21	0.00	0.00	0.01	94.23	magnetite
1999T-75	367566.14	6083452.59	0.50	0.09	19.06	28.30	0.00	0.42	0.00	43.30	8.08	99.76	Cr-spinel
1999T-80	371536.33	6081711.47	0.34	0.18	21.08	7.66	39.92	0.21	4.79	4.09	20.80	99.08	non-titanian Cr-pyrope (G9)
1999T-80	371536.33	6081711.47	0.37	0.27	0.00	33.88	0.00	51.42	0.00	2.51	11.39	99.84	Mg-ilmenite
1999T-84	370517.90	6089778.24	0.37	0.21	21.08	7.26	39.63	0.13	5.44	5.66	19.55	99.34	non-titanian Cr-pyrope (G9)
1999T-89	359762.87	6089860.45	0.25	0.13	0.00	36.03	0.00	50.41	0.00	2.76	9.55	99.14	Mg-ilmenite
1999T-93	360817.18	6089935.46	0.35	0.34	0.29	30.26	0.00	52.53	0.00	3.95	12.54	100.26	Mg-ilmenite
1999T-94	361334.61	6088793.40	0.13	0.00	0.48	29.09	0.00	54.43	0.00	1.62	14.62	100.37	Mg-ilmenite
1999T-97	361670.11	6088011.47	0.20	0.11	0.00	35.11	0.00	49.10	0.00	3.93	11.03	99.48	Mg-ilmenite
1999T-100	365660.55	6089907.35	0.31	0.18	20.63	7.68	40.73	0.43	5.96	3.90	20.75	100.58	titanian Cr-pyrope (G11)
1999T-100	365660.55	6089907.35	0.29	0.21	21.16	7.11	40.72	0.44	5.68	4.29	20.71	100.59	titanian Cr-pyrope (G11)
1999T-101	364004.46	6090265.61	0.07	0.19	0.02	33.93	0.00	50.55	0.00	3.12	12.49	100.37	Mg-ilmenite
1999T-105	369243.39	6088065.28	0.18	0.09	0.07	33.03	0.00	51.90	0.00	3.16	11.53	99.96	Mg-ilmenite
1999T-109	368585.13	6084340.09	0.25	0.01	0.00	32.88	0.00	51.54	0.00	2.73	11.53	98.95	Mg-ilmenite

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
1999T-111	371414.93	6082844.68	0.03	0.36	0.00	93.99	0.01	0.09	0.00	0.00	0.18	94.67	magnetite
1999T-111	371414.93	6082844.68	0.02	0.15	0.00	93.49	0.00	0.35	0.00	0.01	0.04	94.07	magnetite
1999T-111	371414.93	6082844.68	0.03	0.26	0.00	94.24	0.00	0.07	0.00	0.00	0.11	94.71	magnetite
1999T-111	371414.93	6082844.68	0.02	0.26	0.00	94.44	0.00	0.02	0.00	0.00	0.28	95.03	magnetite
1999T-111	371414.93	6082844.68	0.26	0.00	14.92	29.12	0.03	0.21	0.00	50.71	5.79	101.03	Cr-spinel
1999T-112	373206.39	6082560.89	0.39	0.09	21.27	8.02	40.44	0.05	4.73	4.32	21.18	100.50	non-titanian Cr-pyrope (G9)
1999T-112	373206.39	6082560.89	0.31	0.09	0.05	34.76	0.00	51.41	0.00	2.18	10.99	99.79	Mg-ilmenite
1999T-114	375612.85	6082701.79	0.35	0.11	15.46	21.71	0.00	0.13	0.00	52.26	10.53	100.54	Cr-spinel
1999T-116	376836.61	6082259.30	0.27	0.09	0.00	31.13	0.00	50.70	0.00	4.42	11.84	98.45	Mg-ilmenite
1999T-118	380435.24	6082526.84	0.32	0.16	0.00	40.95	0.00	45.71	0.00	3.07	8.87	99.08	Mg-ilmenite
1999T-118	380435.24	6082526.84	0.24	0.15	0.08	94.42	0.00	0.03	0.00	0.10	0.00	95.02	magnetite
1999T-118	380435.24	6082526.84	0.04	0.00	0.00	86.37	0.00	7.39	0.00	0.00	0.04	93.85	hematite
1999T-123	357174.69	6086097.90	0.26	0.00	0.00	36.77	0.00	49.35	0.00	3.18	9.05	98.60	Mg-ilmenite
1999T-123	357174.69	6086097.90	0.10	0.04	0.19	36.70	0.00	50.26	0.00	0.56	9.72	97.55	Mg-ilmenite
1999T-124	362147.22	6090729.66	0.46	0.43	0.37	31.55	0.00	53.28	0.00	2.54	11.89	100.51	Mg-ilmenite
1999T-126	359632.73	6085112.70	0.30	0.21	0.01	34.05	0.00	51.04	0.00	3.17	11.43	100.20	Mg-ilmenite
1999T-126	359632.73	6085112.70	0.30	0.02	0.00	36.59	0.00	48.42	0.00	3.96	9.81	99.10	Mg-ilmenite
1999T-127	359088.91	6087067.02	0.27	0.07	0.00	33.70	0.00	51.83	0.00	2.29	10.74	98.90	Mg-ilmenite
1999T-134	353845.36	6085793.03	0.12	0.00	0.22	50.46	0.00	43.03	0.00	0.00	5.02	98.85	ilmenite
1999T-135	354883.31	6084079.64	0.15	0.01	22.17	16.93	0.00	0.12	0.00	46.70	14.91	100.99	Cr-spinel
1999T-139	357564.78	6084160.24	0.26	0.11	0.04	28.49	0.00	51.16	0.00	5.52	14.29	99.87	Mg-ilmenite
1999T-140	363864.01	6082169.82	0.42	0.12	18.76	7.15	42.56	0.17	5.59	6.35	19.55	100.65	non-titanian Cr-pyrope (G9)
1999T-145	365012.13	6082425.90	0.17	0.19	0.00	33.11	0.31	51.99	0.00	3.37	10.69	99.84	Mg-ilmenite
1999T-145	365012.13	6082425.90	0.44	0.00	0.00	36.12	0.00	49.21	0.00	2.23	10.25	98.24	Mg-ilmenite
1999T-146	388300.25	6089844.48	0.18	0.05	0.11	33.03	0.00	52.08	0.00	2.35	12.50	100.30	Mg-ilmenite
1999T-148	373091.61	6084449.15	0.87	0.18	0.05	93.29	0.00	0.10	0.01	0.00	0.01	94.52	magnetite
1999T-149	370525.75	6084197.53	0.28	0.11	0.00	33.75	0.00	51.54	0.00	2.85	11.39	99.92	Mg-ilmenite
1999T-149	370525.75	6084197.53	0.40	0.00	0.00	43.66	0.00	45.76	0.00	1.85	8.18	99.86	Mg-ilmenite
1999T-150	378340.48	6088920.71	0.18	0.05	0.33	33.39	0.00	51.77	0.00	2.34	12.52	100.60	Mg-ilmenite
1999T-154	376668.36	6087121.26	0.71	0.08	16.58	32.42	0.00	0.13	0.00	42.52	6.35	98.79	Cr-spinel
1999T-155	375877.60	6086516.58	0.21	0.11	0.00	33.99	0.00	51.25	0.00	2.76	11.73	100.05	Mg-ilmenite
1999T-155	375877.60	6086516.58	0.08	0.23	0.04	32.03	0.00	51.88	0.00	3.44	12.12	99.81	Mg-ilmenite
1999T-157	372027.71	6087027.04	0.03	0.36	0.00	94.29	0.00	0.04	0.00	0.05	0.00	94.78	magnetite
1999T-201	371334.99	6079065.23	0.23	0.09	0.00	36.13	0.00	50.19	0.00	3.51	9.74	99.90	Mg-ilmenite
1999T-203	369733.49	6079116.31	0.14	0.20	0.05	95.00	0.00	0.00	0.00	0.08	0.00	95.48	magnetite
1999T-204	368745.75	6078704.52	0.22	0.00	0.19	34.51	0.00	51.38	0.00	3.13	10.83	100.27	Mg-ilmenite
1999T-204	368745.75	6078704.52	0.00	0.00	0.11	93.68	0.00	0.19	0.00	0.02	0.00	94.00	magnetite
1999T-205	367736.72	6078107.25	0.15	0.11	0.07	33.05	0.00	52.47	0.00	2.80	10.95	99.59	Mg-ilmenite
1999T-211	368856.57	6080449.74	0.22	0.00	0.00	94.46	0.00	0.01	0.00	0.00	0.00	94.69	magnetite
1999T-212	367569.80	6080402.33	0.20	0.13	0.39	29.90	0.00	52.92	0.00	3.41	13.27	100.21	magnetite
1999T-213	365183.13	6079542.10	0.37	0.09	0.29	34.69	0.00	50.29	0.00	2.77	10.44	98.94	magnetite
1999T-214	360603.87	6076390.98	0.00	0.13	0.00	95.68	0.00	0.03	0.00	0.04	0.04	95.92	magnetite
1999T-221	360246.41	6081552.52	0.32	0.17	0.00	32.23	0.00	51.00	0.00	3.73	11.99	99.43	magnetite
1999T-223	355505.67	6083205.01	0.22	0.00	14.65	22.18	0.00	0.44	0.00	52.26	11.34	101.09	Cr-spinel
1999T-225	350702.40	6083206.61	0.31	0.05	18.87	7.36	41.55	0.08	6.43	6.78	19.37	100.80	non-titanian Cr-pyrope (G9)
1999T-225	350702.40	6083206.61	0.34	0.17	20.33	7.50	40.56	0.22	4.90	5.62	20.65	100.30	non-titanian Cr-pyrope (G9)
1999T-225	350702.40	6083206.61	0.25	0.11	0.00	33.58	0.00	51.82	0.00	2.84	10.32	98.91	magnetite
1999T-227	355381.59	6075600.60	0.08	0.08	0.00	38.13	0.00	48.44	0.00	2.58	9.39	98.68	magnetite
1999T-229	353511.14	6076295.59	0.21	0.11	0.00	32.12	0.00	52.20	0.00	2.40	12.63	99.68	magnetite
1999T-229	353511.14	6076295.59	1.08	0.08	0.00	48.48	0.00	50.48	0.00	0.00	0.21	100.33	ilmenite
1999T-230	355405.44	6076684.24	0.21	0.02	0.22	94.88	0.00	0.03	0.00	0.00	0.04	95.41	magnetite
1999T-230	355405.44	6076684.24	0.13	0.18	0.00	94.31	0.00	0.15	0.00	0.04	0.08	94.88	magnetite
1999T-243	373883.08	6066058.33	0.41	0.11	0.02	33.48	0.00	51.15	0.00	3.42	11.44	100.04	Mg-ilmenite
1999T-245	373013.86	6074903.92	0.10	0.11	0.01	34.82	0.00	50.58	0.00	3.23	12.05	100.90	Mg-ilmenite
1999T-245	373013.86	6074903.92	0.24	0.04	0.00	35.59	0.00	49.94	0.00	3.16	10.37	99.33	Mg-ilmenite
1999T-245	373013.86	6074903.92	0.29	0.11	0.01	35.02	0.00	50.70	0.00	2.16	10.78	99.07	Mg-ilmenite
1999T-245	373013.86	6074903.92	0.04	0.18	0.00	94.16	0.00	0.06	0.00	0.03	0.08	94.55	magnetite
1999T-248	363998.87	6080166.06	0.03	3.06	1.84	3.86	54.27	0.31	19.37	1.47	15.10	99.32	Cr-diopside
1999T-249	366434.90	6080165.02	0.24	0.13	0.12	31.20	0.00	53.33	0.00	2.39	11.61	99.02	Mg-ilmenite
1999T-250	365625.09	6080983.27	0.13	0.05	0.08	27.92	0.00	51.44	0.00	4.86	15.38	99.86	Mg-ilmenite
1999T-253	369727.62	6076391.19	0.01	0.28	1.24	91.15	0.00	1.00	0.00	0.02	0.00	93.69	magnetite
1999T-257	370578.92	6075052.05	0.29	0.06	0.00	35.88	0.00	48.60	0.00	3.42	9.75	98.00	Mg-ilmenite
1999T-257	370578.92	6075052.05	0.47	0.15	0.00	47.82	0.00	50.27	0.00	0.01	1.05	99.77	ilmenite
1999T-261	360063.93	6069315.74	0.38	0.00	0.00	35.12	0.00	50.71	0.00	2.47	10.74	99.41	Mg-ilmenite
1999T-261	360063.93	6069315.74	0.37	0.00	0.00	33.99	0.00	49.93	0.00	3.37	10.77	98.43	Mg-ilmenite
1999T-264	360989.77	6069149.40	0.38	0.00	0.04	29.29	0.00	52.30	0.00	4.29	12.92	99.23	Mg-ilmenite
1999T-264	360989.77	6069149.40	0.16	0.24	0.18	31.05	0.00	52.72	0.00	2.80	12.33	99.49	Mg-ilmenite
1999T-269	376364.81	6071760.41	0.12	0.07	0.00	93.38	0.00	0.03	0.00	0.02	0.00	93.63	magnetite
1999T-271	383858.83	6067703.50	0.29	0.09	0.15	34.05	0.00	50.42	0.00	3.23	11.29	99.53	Mg-ilmenite
1999T-276	385148.66	6077248.38	0.44	0.29	0.00	34.57	0.00	51.28	0.00	2.20	10.44	99.22	Mg-ilmenite
1999T-279	376310.70	6077007.87	0.15	0.00	0.00	39.26	0.00	47.67	0.00	2.56	9.03	98.68	Mg-ilmenite
1999T-281	379124.40	6067728.11	0.12	0.00	16.67	14.42	0.00	0.27	0.00	53.32	15.84	100.63	Cr-spinel
1999T-284	383840.14	6075866.88	0.18	0.19	0.18	31.06	0.00	52.74	0.00	2.36	12.84	99.55	Mg-ilmenite
1999T-292	372658.22	6079359.51	0.07	0.23	0.08	93.24	0.00	0.03	0.00	0.03	0.01	93.70	magnetite
1999T-294	374312.89	6078921.40	0.21	0.00	0.11	34.52	0.00	49.47	0.00	3.48	11.13	98.91	Mg-ilmenite
1999T-298	377794.68	6079094.31	0.31	0.20	21.63	7.72	41.55	0.24	4.56	3.82	20.80	100.83	non-titanian Cr-pyrope (G9)
1999T-298	377794.68	6079094.31	0.26	0.15	0.00	48.89	0.00	48.17	0.00	0.18	0.39	98.04	ilmenite
1999T-298	377794.68	6079094.31	0.08	0.06	0.07	38.52	0.00	50.61	0.00	0.07	9.26	98.68	Mg-ilmenite

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
1999T-300	383601.49	6081754.27	0.30	0.05	16.21	16.27	0.00	0.29	0.00	53.39	13.79	100.30	Cr-spinel
1999T-304	379828.87	6079816.74	0.14	0.00	0.06	32.80	0.00	52.42	0.00	2.86	11.63	99.91	Mg-ilmenite
1999T-304	379828.87	6079816.74	0.18	0.04	0.00	32.07	0.00	50.46	0.00	4.69	12.53	99.97	Mg-ilmenite
1999T-304	379828.87	6079816.74	0.37	0.19	7.42	36.83	0.01	2.13	0.00	50.55	2.05	99.55	ilmenite
1999T-305	373257.01	6080611.99	0.21	0.00	0.01	33.89	0.00	51.45	0.00	2.28	12.04	99.88	Mg-ilmenite
1999T-306	374075.08	6080290.59	0.18	0.01	0.00	29.33	0.00	52.10	0.00	3.96	14.94	100.54	Mg-ilmenite
1999T-306	374075.08	6080290.59	0.01	0.15	0.00	93.20	0.00	0.07	0.01	0.06	0.00	93.51	magnetite
1999T-308	378593.33	6079122.68	0.10	0.13	0.09	32.63	0.00	51.16	0.00	3.01	11.62	98.73	Mg-ilmenite
1999T-310	378075.60	6081454.42	0.13	0.00	0.05	34.12	0.00	49.57	0.00	3.06	11.30	98.24	Mg-ilmenite
1999T-312	374729.14	6081514.74	1.69	0.08	0.00	50.34	0.00	46.07	0.00	0.04	0.51	98.73	ilmenite
1999T-320	378032.77	6073502.62	0.00	2.12	0.30	2.20	55.27	0.09	22.27	1.93	15.82	100.00	Cr-diopside
1999T-326	367010.80	6076322.95	0.26	0.11	0.00	35.44	0.00	49.30	0.00	3.64	10.02	98.78	Mg-ilmenite
1999T-334	353630.41	6074080.73	0.00	2.70	0.71	2.04	54.99	0.20	21.51	2.74	15.88	100.76	Cr-diopside
1999T-338	358097.38	6073183.12	0.19	0.11	20.93	9.11	40.52	0.70	4.52	3.39	20.52	99.98	titanian Cr-pyrope (G1)
1999T-338	358097.38	6073183.12	0.24	0.04	0.07	33.50	0.00	49.75	0.00	3.38	10.94	97.92	Mg-ilmenite
1999T-339	358101.16	6077722.60	0.25	0.18	6.79	25.21	0.00	1.33	0.00	55.07	10.72	99.55	Cr-spinel
1999T-341	363366.15	6079087.77	0.31	0.06	19.72	8.17	41.85	0.12	6.57	6.16	18.47	101.44	non-titanian Cr-pyrope (G9)
1999T-343	365228.31	6078367.51	0.11	0.13	0.00	93.25	0.00	0.11	0.00	0.00	0.00	93.60	magnetite
1999T-343	365228.31	6078367.51	0.00	0.00	0.00	94.75	0.00	0.05	0.01	0.12	0.00	94.92	magnetite
1999T-347	390123.06	6073013.81	0.58	0.10	22.03	8.05	41.46	0.03	5.03	3.25	20.30	100.84	non-titanian Cr-pyrope (G9)
1999T-347	390123.06	6073013.81	0.24	0.11	0.00	32.14	0.00	49.94	0.00	4.63	13.16	100.22	Mg-ilmenite
2000T-15	385545.63	6095757.00	0.26	0.00	17.81	16.17	0.03	0.29	0.00	51.69	14.23	100.47	Cr-spinel
2000T-17	388099.72	6092595.00	0.39	0.25	0.20	33.74	0.00	52.00	0.00	2.28	11.56	100.42	Mg-ilmenite
2000T-19	415121.31	6114549.00	0.32	0.00	0.37	29.72	0.07	51.75	0.01	3.16	12.47	97.87	Mg-ilmenite
2000T-21	411487.41	6115553.50	0.38	0.03	23.74	9.09	41.98	0.29	4.37	0.37	20.24	100.49	garnet
2000T-28	392562.69	6091566.00	0.20	0.00	17.45	14.47	0.00	0.20	0.01	52.71	14.71	99.76	Cr-spinel
2000T-28	392562.69	6091566.00	0.14	0.14	18.40	15.39	0.06	0.32	0.01	51.90	14.94	101.29	Cr-spinel
2000T-28	392562.69	6091566.00	1.85	0.33	7.83	37.43	0.21	4.35	0.03	45.71	0.35	98.09	Cr-spinel
2000T-32	386554.50	6097484.00	0.37	0.00	17.93	7.34	41.09	0.31	6.11	6.91	20.73	100.79	titanian Cr-pyrope (G11)
2000T-32	386554.50	6097484.00	0.42	0.00	20.73	7.42	42.30	0.04	4.90	3.71	20.28	99.79	non-titanian Cr-pyrope (G9)
2000T-32	386554.50	6097484.00	0.60	0.09	21.71	8.17	42.11	0.02	4.63	3.47	19.41	100.20	non-titanian Cr-pyrope (G9)
2000T-32	386554.50	6097484.00	0.49	0.06	20.34	7.67	40.94	0.08	4.73	5.16	20.86	100.32	non-titanian Cr-pyrope (G9)/(G10)
2000T-32	386554.50	6097484.00	0.51	0.16	17.87	7.86	41.78	0.48	5.66	8.01	18.52	100.84	titanian Cr-pyrope (G11)
2000T-32	386554.50	6097484.00	0.30	0.00	0.19	33.86	0.00	52.65	0.01	2.32	10.36	99.67	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.30	0.00	0.24	34.58	0.01	50.87	0.04	4.03	11.20	101.29	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.20	0.20	0.80	29.27	0.00	54.38	0.01	1.47	13.74	100.06	Mg-ilmenite
2000T-32	386554.50	6097484.00	0.36	0.20	0.21	33.48	0.00	51.63	0.00	2.49	11.87	100.24	Mg-ilmenite
2000T-35	386267.97	6101746.50	0.71	0.00	22.40	11.81	40.83	0.04	4.82	1.32	18.97	100.90	non-titanian Cr-pyrope (G9)
2000T-36	385510.63	6100612.00	0.32	0.15	0.24	31.72	0.01	51.99	0.05	2.16	12.50	99.13	Mg-ilmenite
2000T-36	385510.63	6100612.00	0.15	0.19	16.38	13.89	0.04	0.15	0.02	53.06	14.74	98.63	Cr-spinel
2000T-49	396828.66	6100814.00	0.36	0.24	16.07	18.13	0.00	0.29	0.01	50.96	13.54	99.60	Cr-spinel
2000T-52	400768.63	6096955.50	0.22	0.00	4.40	31.52	0.00	2.77	0.02	52.36	9.05	100.34	Cr-spinel
2000T-54	402068.50	6097093.50	0.32	0.10	0.13	33.83	0.01	50.51	0.02	3.12	11.13	99.17	Mg-ilmenite
2000T-56	397265.06	6103193.00	0.27	0.20	0.52	30.58	0.00	52.50	0.00	2.44	12.64	99.15	Mg-ilmenite
2000T-85	402062.69	6103060.50	0.26	0.15	0.28	30.81	0.01	51.06	0.01	4.90	11.69	99.16	Mg-ilmenite
2000T-99	391068.38	6094189.00	0.42	0.09	19.31	8.80	42.85	0.45	4.27	3.44	21.03	100.65	titanian Cr-pyrope (G1)/(G10)
2000T-101	393612.16	6097352.00	0.30	0.00	0.19	33.80	0.00	50.53	0.02	3.95	10.80	99.59	Mg-ilmenite
2000T-103	391819.38	6096113.00	0.45	0.15	20.39	8.05	41.72	0.20	4.63	2.89	21.34	99.83	non-titanian Cr-pyrope (G9)
2000T-109	386132.81	6096368.00	0.35	0.00	0.09	34.29	0.04	50.52	0.04	2.59	10.79	98.72	Mg-ilmenite
2000T-122	390079.06	6098127.00	0.32	0.00	18.88	27.79	0.06	0.31	0.00	46.02	7.78	101.16	Cr-spinel
2000T-124	391713.34	6098945.50	0.39	0.03	18.72	7.50	40.90	0.38	5.30	5.99	19.85	99.05	titanian Cr-pyrope (G11)
2000T-129	391955.44	6103866.00	0.26	0.00	0.21	33.62	0.00	50.08	0.02	3.03	11.32	98.54	Mg-ilmenite
2000T-150	402269.28	6106540.00	0.26	0.00	0.37	29.09	0.07	53.60	0.00	2.87	13.18	99.44	Mg-ilmenite
2000T-150	402269.28	6106540.00	0.35	0.10	15.16	26.19	0.00	0.25	0.01	48.09	9.52	99.67	Cr-spinel
2000T-155	405182.97	6109662.50	0.81	0.00	7.80	38.41	0.06	5.73	0.02	34.92	10.72	98.47	Cr-spinel
2000T-156	402443.84	6108400.50	0.45	0.00	20.44	7.59	40.76	0.12	4.83	4.05	20.75	99.01	non-titanian Cr-pyrope (G9)
2000T-160	399579.41	6108137.00	0.36	0.00	20.16	7.08	41.90	0.09	5.30	5.55	19.53	99.99	non-titanian Cr-pyrope (G9)
2000T-160	399579.41	6108137.00	0.24	0.00	20.18	18.62	0.00	0.11	0.00	45.62	13.34	98.11	Cr-spinel
2000T-163	407938.84	6110567.50	0.34	0.05	0.22	28.12	0.10	52.27	0.01	5.27	13.41	99.79	Mg-ilmenite
2000T-166	406114.34	6111079.00	0.36	0.10	0.06	33.40	0.00	49.50	0.01	3.23	12.16	98.82	Mg-ilmenite
2000T-175	388265.75	6102950.00	0.39	0.00	19.96	7.47	41.06	0.21	5.38	5.94	19.68	100.09	non-titanian Cr-pyrope (G9)
2000T-175	388265.75	6102950.00	0.29	0.00	0.33	32.25	0.00	51.27	0.03	2.63	11.37	98.17	Mg-ilmenite
2000T-175	388265.75	6102950.00	0.29	0.05	0.30	33.44	0.01	51.18	0.03	2.97	11.13	99.39	Mg-ilmenite
2000T-175	388265.75	6102950.00	0.37	0.00	0.35	30.24	0.00	51.97	0.00	4.81	12.86	100.60	Mg-ilmenite
2000T-175	388265.75	6102950.00	0.35	0.00	0.35	33.40	0.01	52.68	0.00	2.39	11.26	100.45	Mg-ilmenite
2000T-175	388265.75	6102950.00	0.28	0.00	10.83	21.53	0.01	0.20	0.00	55.27	11.17	99.29	Cr-spinel
2000T-177	386911.66	6102253.00	0.30	0.09	19.24	7.39	41.31	0.30	5.58	5.93	19.74	99.90	titanian Cr-pyrope (G11)
2000T-203	377759.09	6103205.50	0.17	0.00	17.18	13.86	0.00	0.28	0.00	53.93	15.48	100.89	Cr-spinel
2000T-204	379288.84	6099045.50	0.43	0.00	0.21	34.75	0.00	50.82	0.01	3.42	10.29	99.93	Mg-ilmenite
2000T-209	377791.78	6097599.50	0.35	0.15	0.24	29.85	0.00	54.03	0.00	3.00	13.06	100.68	Mg-ilmenite
2000T-214	380459.88	6105602.00	0.25	0.00	0.22	36.53	0.00	48.68	0.01	3.28	10.45	99.42	Mg-ilmenite
2000T-215	377864.75	6104760.00	0.42	0.10	18.62	26.02	0.01	0.36	0.00	44.63	9.21	99.38	Cr-spinel
2000T-217	390236.81	6110548.50	0.40	0.20	0.00	33.86	0.00	49.03	0.00	3.44	10.59	97.52	Mg-ilmenite
2000T-220	381027.66	6110614.00	0.38	0.00	0.11	33.85	0.00	51.07	0.00	2.65	10.47	98.54	Mg-ilmenite
2000T-220	381027.66	6110614.00	0.33	0.00	0.20	32.17	0.00	52.84	0.00	2.23	12.10	99.87	Mg-ilmenite
2000T-220	381027.66	6110614.00	0.26	0.20	0.69	34.15	0.01	50.21	0.02	1.66	10.34	97.54	Mg-ilmenite
2000T-222	379349.53	6108925.00	0.32	0.20	0.20	31.02	0.07	50.70	0.00	4.88	12.16	99.55	Mg-ilmenite

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
2000T-222	379349.53	6108925.00	0.33	0.09	20.80	17.35	0.06	0.16	0.00	46.37	14.70	99.86	Cr-spinel
2000T-225	379465.34	6111668.50	0.26	0.00	0.48	34.64	0.04	51.58	0.00	0.68	10.91	98.59	Mg-ilmenite
2000T-231	382258.53	6113338.50	0.50	0.05	11.18	27.31	0.00	0.30	0.00	52.25	7.53	99.13	Cr-spinel
2000T-241	382370.50	6117084.50	0.36	0.00	0.33	33.40	0.00	50.59	0.02	2.77	10.88	98.35	Mg-ilmenite
2000T-242	381725.97	6118149.50	0.44	0.00	0.02	31.83	0.00	52.69	0.00	2.93	12.04	99.95	Mg-ilmenite
2000T-248	387894.78	6122519.00	0.36	0.00	14.16	28.72	0.00	0.27	0.00	46.39	7.99	97.88	Cr-spinel
2000T-249	386461.28	6122755.00	0.16	0.05	18.18	13.43	0.00	0.27	0.00	52.48	14.70	99.25	Cr-spinel
2000T-252	390174.03	6112731.00	0.25	0.00	0.26	32.62	0.07	51.90	0.03	1.91	11.59	98.63	Mg-ilmenite
2000T-252	390174.03	6112731.00	0.24	0.00	0.15	31.32	0.00	53.64	0.00	1.64	12.17	99.17	Mg-ilmenite
2000T-255	398099.66	6117886.50	0.29	0.00	19.10	16.10	0.04	0.16	0.00	49.36	14.75	99.82	Cr-spinel
2000T-257	403015.22	6118430.00	0.24	0.00	0.37	29.17	0.03	54.84	0.00	2.32	12.48	99.45	Mg-ilmenite
2000T-258	401426.78	6118891.00	0.68	0.11	17.58	33.26	0.00	0.11	0.00	40.23	5.24	97.21	Cr-spinel
2000T-277	376521.69	6112449.50	0.45	0.00	19.96	7.66	42.68	0.22	4.93	4.71	20.22	100.83	non-titanian Cr-pyrope (G9)
2000T-278	375920.22	6119958.50	0.25	0.30	0.30	32.49	0.03	51.76	0.00	2.99	11.23	99.33	Mg-ilmenite
2000T-282	374344.63	6110827.50	0.21	0.00	0.32	26.96	0.00	54.02	0.00	2.65	15.82	99.98	Mg-ilmenite
2000T-284	371076.44	6112518.50	0.66	0.00	21.27	8.80	41.24	0.00	5.05	3.02	19.30	99.34	non-titanian Cr-pyrope (G9)
2000T-290	382417.03	6114793.00	0.69	0.11	4.44	45.51	0.00	5.30	0.00	34.16	6.88	97.09	Cr-spinel
2000T-295	390772.88	6115942.50	0.20	0.00	0.39	39.74	0.04	46.70	0.03	1.18	8.80	97.08	Mg-ilmenite
2000T-319	392888.03	6114085.00	0.34	0.00	0.20	36.73	0.04	49.55	0.05	2.78	9.11	98.80	Mg-ilmenite
2000T-320	393461.94	6117975.00	0.35	0.00	19.16	7.07	41.19	0.11	5.24	6.65	21.01	100.77	non-titanian Cr-pyrope (G9)/(G10)
2000T-341	378317.00	6120022.00	0.55	0.16	22.87	8.36	40.58	0.00	5.73	2.99	18.67	99.92	non-titanian Cr-pyrope (G9)
2000T-341	378317.00	6120022.00	0.47	0.06	19.33	8.06	41.93	0.08	5.77	6.00	19.75	101.45	non-titanian Cr-pyrope (G9)
2000T-342	380948.22	6114359.50	0.27	0.00	0.24	33.79	0.00	50.19	0.03	3.54	10.98	99.04	Mg-ilmenite
2000T-345	373345.66	6119686.50	0.40	0.16	0.05	35.66	0.00	47.77	0.03	4.06	10.19	98.31	Mg-ilmenite
2000T-348	370122.25	6116112.50	1.29	0.17	0.35	47.67	0.10	50.56	0.00	0.02	0.43	100.58	Mg-ilmenite
2000T-348	370122.25	6116112.50	0.12	0.19	17.39	14.56	0.16	0.25	0.00	51.65	14.18	98.50	Cr-spinel
2000T-362	380254.41	6098643.00	0.51	0.05	0.70	42.72	0.03	46.59	0.01	0.00	6.66	97.27	Mg-ilmenite
2000T-362	380254.41	6098643.00	0.26	0.05	9.39	38.76	0.10	6.37	0.00	27.86	15.03	97.83	Cr-spinel
2000T-364	382689.63	6104796.00	0.24	0.15	0.35	31.80	0.00	52.14	0.00	2.39	12.51	99.58	Mg-ilmenite
2000T-367	378498.88	6109643.00	0.05	4.10	3.05	2.81	54.48	0.10	16.52	3.60	14.37	99.08	non-titanian Cr-pyrope (G9)

Appendix 1: Mineral Chemistry and Classifications (1.0 mm).

Sample Site	UTM Easting	UTM Northing	MnO %	Na_2O %	Al_2O_3 %	FeO %	SiO_2 %	TiO_2 %	CaO %	Cr_2O_3 %	MgO %	TOTAL %	Classification
1996T-20	238312.10	6038419.20	0.40	0.00	21.82	9.51	42.81	0.30	3.71	1.58	19.81	99.94	titanian Cr Pyrope (G1)
1996T-58	294039.58	6079240.26	0.36	0.00	0.22	32.90	0.00	51.88	0.00	2.35	12.89	100.61	Mg-ilmenite
1996T-73	299938.42	6080288.79	0.31	0.01	0.14	34.35	0.00	51.71	0.00	2.22	11.52	100.26	Mg-ilmenite
1996T-165	314649.51	6040888.89	0.48	0.08	0.22	32.35	0.00	52.91	0.00	2.25	11.19	99.47	Mg-ilmenite
1997T-019	503981.00	6058302.00	0.30	0.01	0.09	33.45	0.00	51.37	0.00	2.70	11.38	99.29	Mg-ilmenite
1997T-071	518287.00	6046419.00	0.27	0.00	0.27	34.85	0.00	51.01	0.00	1.52	12.13	100.05	Mg-ilmenite
1997T-275	441854.00	6030334.00	0.36	0.00	0.06	33.71	0.00	52.14	0.00	2.54	11.07	99.87	Mg-ilmenite
1997T-284	457394.00	6031755.00	0.28	0.01	0.30	34.35	0.00	50.72	0.02	2.78	12.09	100.55	Mg-ilmenite
1998T-27	375906.00	6025997.00	0.37	0.11	0.13	34.80	0.00	51.99	0.01	2.21	10.94	100.56	Mg-ilmenite
1998T-79	432599.00	6044519.00	0.25	0.02	0.08	38.64	0.00	49.86	0.05	2.64	9.04	100.57	Mg-ilmenite
1998T-200	341465.56	6040134.00	0.40	0.15	0.22	33.59	0.00	52.25	0.00	2.66	11.22	100.49	Mg-ilmenite
1999T-10	380814.98	6083990.92	0.28	0.05	19.82	7.16	39.84	0.38	5.32	5.75	21.22	99.82	titanian Cr-pyrope (G11)
1999T-29	390765.20	6089215.18	0.28	0.12	21.10	9.04	40.06	0.56	4.46	3.22	21.28	100.13	titanian Cr-pyrope (G11)
1999T-40	392559.91	6086340.04	0.21	0.00	0.14	33.04	0.00	51.48	0.00	2.00	11.51	98.38	Mg-ilmenite
1999T-70	377176.25	6084802.55	0.37	0.00	0.11	34.79	0.00	50.03	0.00	3.28	10.79	99.37	Mg-ilmenite
1999T-94	361334.61	6088793.40	0.24	0.00	0.11	33.16	0.00	51.48	0.00	2.49	10.75	98.22	Mg-ilmenite
1999T-126	359632.73	6085112.70	0.21	0.05	0.21	30.49	0.00	53.13	0.00	2.60	13.14	99.83	Mg-ilmenite
1999T-126	359632.73	6085112.70	0.31	0.05	0.00	32.88	0.00	50.96	0.00	3.08	12.48	99.77	Mg-ilmenite
1999T-146	388300.25	6089844.48	0.00	0.15	0.38	91.14	0.00	0.00	0.00	0.01	0.01	91.69	magnetite
1999T-201	371334.99	6079065.23	0.36	0.00	0.02	33.15	0.00	52.72	0.00	2.25	11.12	99.62	Mg-ilmenite
1999T-223	355505.67	6083205.01	0.37	0.11	0.00	35.61	0.00	49.33	0.00	3.87	10.82	100.10	Mg-ilmenite
1999T-245	373013.86	6074903.92	0.24	0.00	0.15	30.71	0.00	52.55	0.00	2.67	13.26	99.58	Mg-ilmenite
1999T-292	372658.22	6079359.51	0.25	0.11	0.00	33.13	0.00	50.63	0.00	3.26	11.68	99.06	Mg-ilmenite
1999T-292	372658.22	6079359.51	0.28	0.04	0.00	32.91	0.00	50.80	0.00	2.86	11.59	98.47	Mg-ilmenite
1999T-293	373332.21	6078856.12	0.26	0.02	0.00	34.31	0.00	50.20	0.00	3.52	10.69	99.00	Mg-ilmenite
2000T-27	387695.53	6094386.00	0.42	0.00	0.15	37.59	0.00	48.56	0.00	3.07	9.30	99.08	Mg-ilmenite
2000T-96	386122.09	6093126.50	0.33	0.25	0.30	30.99	0.00	52.16	0.00	4.49	11.45	99.97	Mg-ilmenite
2000T-137	398893.06	6102443.50	0.34	0.03	21.21	7.64	42.88	0.17	4.65	4.28	20.21	101.42	non-titanian Cr-pyrope (G9)
2000T-267	375915.06	6116255.00	0.32	0.00	0.50	32.25	0.10	52.14	0.00	2.35	12.50	100.17	Mg-ilmenite
2000T-352	394480.94	6124486.00	0.43	0.05	0.24	33.92	0.00	50.75	0.00	3.14	11.64	100.17	Mg-ilmenite

Appendix 2: Kimberlite Indicator Mineral Abundances (0.3 mm + 0.5 mm + 1.0 mm)

Sample Site	Sediment	UTM		TI Cr-Pyrope	G9	G10	Cr-Spinel	Diamond Inclusion Cr-Spinel	Mg-Ilmenite	Cr-Diopside	Total KIM
		Easting	Northing								
1996T-004	Glaciofluvial	240274.52	6035174.51		2				1		3
1996T-009	Till	259161.75	6033137.15		1						1
1996T-011	Till	227019.90	6038684.74	1							1
1996T-013	Till	257733.55	6031862.38						1		1
1996T-014	Till	251757.61	6033998.22	1							1
1996T-019	Till	237614.53	6037718.54				5		6		11
1996T-020	Till	238312.10	6038419.20	1							1
1996T-021	Till	239814.07	6038002.68		1						1
1996T-027	Till	236367.22	6035096.39		1						1
1996T-030	Till	242624.32	6036513.37						2		2
1996T-031	Till	240105.27	6036038.57						1	1	2
1996T-035	Till	225826.82	6040697.03	1							1
1996T-037	Glaciofluvial	346876.32	6051825.17				1				1
1996T-038	Till	265624.12	6068832.22						2		2
1996T-039	Till	261532.11	6066964.93						1		1
1996T-041	Till	258619.64	6066958.47				1				1
1996T-042	Till	258625.09	6066693.92						2		2
1996T-044	Till	263099.04	6069197.27		1						1
1996T-045	Till	264001.36	6068455.22				1				1
1996T-046	Till	257342.35	6068633.38		1	1	1		5		8
1996T-047	Glaciofluvial	235214.99	6061976.11			1	1		2		4
1996T-050	Till	276025.75	6073388.14				1				1
1996T-051	Till	278390.15	6073494.58						1		1
1996T-055	Till	294607.09	6079302.97						1		1
1996T-056	Till	296165.16	6079691.22	1			1		1		3
1996T-058	Till	294039.58	6079240.26						2		2
1996T-060	Till	287654.38	6076072.00	1			1		1		3
1996T-062	Till	291018.46	6076986.97	1					1		2
1996T-065	Till	286594.30	6074960.31						1		1
1996T-066	Till	284600.25	6073809.25				1				1
1996T-067	Till	285661.30	6073878.86	1					1		2
1996T-068	Till	285995.81	6075051.81		1						1
1996T-073	Till	299938.42	6080288.79	1					3		4
1996T-074	Till	301106.51	6078976.01		1		1				2
1996T-075	Till	304262.08	6076799.15	1							1
1996T-081	Till	296942.73	6076868.12	1					1		2
1996T-092	Till	285935.41	6077998.34						2		2
1996T-098	Till	283389.56	6080069.01						1		1
1996T-100	Glaciofluvial	277911.06	6072860.01	1					1		2
1996T-106	Till	288955.04	6077939.99				1				1
1996T-107	Till	287299.01	6077616.31						1		1
1996T-115	Till	347942.36	6052746.22						1		1
1996T-119	Till	357513.53	6052037.31				2				2
1996T-123	Till	353499.82	6052776.13	1					1		2
1996T-129	Till	356341.42	6051856.75						1		1
1996T-130	Till	356446.68	6053449.82				1		1		2
1996T-133	Till	356139.61	6047177.15		1		1				2
1996T-139	Till	258277.40	6034069.13				2		2		4
1996T-144	Till	290256.64	6034561.07				1				1
1996T-146	Till	289413.91	6034672.19		1		1		1		3
1996T-147	Till	288289.42	6034975.00				1		1		2
1996T-148	Glaciofluvial	285354.50	6033073.43		1						1
1996T-151	Till	311912.68	6042989.47		1						1
1996T-153	Till	314656.92	6043276.73		1						1
1996T-156	Till	312906.58	6042794.11		1						1
1996T-157	Till	316154.72	6042754.29					1			1
1996T-158	Till	315313.53	6041965.15	1					1		2
1996T-159	Till	317245.89	6042006.70		1						1
1996T-161	Till	319598.52	6041682.17						1		1
1996T-165	Till	314649.51	6040888.89						2		2
1996T-166	Till	313600.25	6041328.81						1		1
1996T-168	Till	313000.37	6040897.37						1		1
1996T-169	Till	312167.10	6041856.76						1		1
1996T-174	Till	310958.14	6041872.78				1		1		2
1996T-175	Till	309932.15	6042373.96						1		1
1996T-177	Till	307369.27	6043035.64				1		2		3
1996T-180	Till	292837.96	6035814.15			1					1
1996T-181	Glaciofluvial	295174.92	6035957.83		2						2
1996T-182	Till	296881.66	6036162.35	2							2
1996T-188	Glaciofluvial	298397.66	6037988.09							1	1
1996T-192	Till	295484.37	6037277.41						1		1
1996T-195	Till	300452.65	6041610.50						1		1
1996T-198	Till	303027.09	6042479.45		1						1
1996T-200	Glaciofluvial	302257.12	6042970.83						1		1
1996T-202	Till	299230.59	6041897.62	1	1						2

Sample Site	Sediment	UTM		Ti Cr-Pyrope	G9	G10	Cr-Spinel	Diamond Inclusion Cr-Spinel	Mg-Ilmenite	Cr-Diopside	Total KIM
		Easting	Northing								
1996T-204	Till	301275.42	6041337.43	1					2		3
1996T-206	Till	303019.67	6045984.91						2		2
1996T-210	Till	248536.51	6036529.64			1					1
1996T-211	Till	244863.90	6038737.26	1					1		2
1996T-212	Till	243181.26	6039306.79		1				5		6
1996T-214	Till	241675.03	6041318.45						3		3
1996T-215	Till	244441.62	6036038.83		1						1
1997T-006	Till	518401.00	6043035.00		1					1	2
1997T-019	Till	503981.00	6058302.00		1				1		2
1997T-022	Till	509841.00	6054884.00						1		1
1997T-023	Till	509948.00	6053778.00		2		1		3		6
1997T-028	Till	500798.00	6058006.00							1	1
1997T-037	Till	512445.00	6053053.00						1		1
1997T-038	Till	511021.00	6053344.00		1				2		3
1997T-045	Till	501781.00	6059766.00		1				2		3
1997T-052	Till	504799.00	6056393.00				1				1
1997T-056	Till	485088.00	6068582.00		1						1
1997T-059	Till	500719.00	6060166.00						1		1
1997T-061	Till	497206.00	6060852.00				1				1
1997T-064	Till	495880.00	6064914.00							1	1
1997T-070	Till	492821.00	6062333.00							1	1
1997T-071	Till	518287.00	6046419.00		2				1		3
1997T-072	Till	518901.00	6044811.00							1	1
1997T-078	Till	522282.00	6036707.00						1		1
1997T-088	Till	520527.00	6041691.00		1					1	2
1997T-090	Till	523174.00	6042220.00						1		1
1997T-091	Till	518535.00	6038263.00		1		1				2
1997T-099	Till	517575.00	6045717.00		2						2
1997T-136	Till	513377.00	6052104.00		1						1
1997T-138	Till	513788.00	6053203.00		1				1		2
1997T-140	Till	510561.00	6051207.00							1	1
1997T-143	Till	503707.00	6055102.00		1		1				2
1997T-152	Till	517917.00	6030851.00		1						1
1997T-153	Till	517089.00	6028676.00	1			1				2
1997T-159	Till	512845.00	6033996.00						2		2
1997T-171	Till	516472.00	6033483.00	1	1				1		3
1997T-186	Till	518573.00	6031574.00		1						1
1997T-190	Till	498167.00	6028367.00						1		1
1997T-197	Till	496064.00	6031902.00							1	1
1997T-204	Till	493311.00	6034135.00		1						1
1997T-219	Till	476476.00	6033291.00						1		1
1997T-221	Till	491778.00	6033333.00		1				1		2
1997T-223	Till	482129.00	6034706.00				1				1
1997T-225	Till	484355.00	6033976.00				1				1
1997T-240	Till	460875.00	6028462.00				1				1
1997T-241	Till	461875.00	6027235.00		1						1
1997T-244	Till	453747.00	6028681.00				1				1
1997T-252	Till	445395.00	6029398.00						2		2
1997T-254	Till	443423.00	6028525.00		1					1	2
1997T-255	Till	442843.00	6030013.00		1						1
1997T-256	Till	442448.00	6029172.00		1						1
1997T-257	Till	439225.00	6030492.00						1		1
1997T-261	Till	448532.00	6027763.00						1		1
1997T-262	Till	435111.00	6031848.00		1						1
1997T-267	Till	449222.00	6028541.00						1		1
1997T-271	Till	465155.00	6030614.00		1						1
1997T-273	Till	466096.00	6029651.00			1					1
1997T-275	Till	441854.00	6030334.00						1		1
1997T-279	Till	455920.00	6035035.00						1		1
1997T-283	Till	457995.00	6036193.00				1				1
1997T-284	Till	457394.00	6031755.00						1		1
1997T-285	Till	454410.00	6030342.00	1							1
1998T-2	Till	419789.00	6046717.00						1		1
1998T-4	Till	424854.00	6040934.00	1							1
1998T-8	Till	415727.00	6042908.00	1							1
1998T-19	Till	414432.16	6013288.00						1		1
1998T-20	Till	409312.34	6013691.50				1				1
1998T-21	Till	389429.00	6018411.00				2				2
1998T-23	Till	392288.00	6014396.00				1				1
1998T-24	Till	379613.00	6025712.00		1						1
1998T-27	Till	375906.00	6025997.00		1				2	1	4
1998T-29	Till	374547.00	6029138.00	1							1
1998T-31	Till	372780.00	6028156.00						1		1
1998T-37	Till	370589.00	6033766.00		1						1
1998T-39	Till	319606.97	6040534.00							1	1
1998T-42	Till	317884.00	6042024.50						1		1
1998T-43	Till	318611.03	6043950.00						1		1
1998T-50	Glaciofluvial	317241.97	6039935.50						1		1

Sample Site	Sediment	UTM		Ti Cr-Pyrope	G9	G10	Cr-Spinel	Diamond Inclusion Cr-Spinel	Mg-Ilmenite	Cr-Diopside	Total KIM
		Easting	Northing								
1998T-55	Till	426549.00	6042653.00						1		1
1998T-61	Till	428648.00	6042511.00						2		2
1998T-66	Till	425278.00	6047515.00						1		1
1998T-70	Till	411122.00	6046567.00						2	1	3
1998T-71	Till	412676.00	6045877.00				1				1
1998T-72	Till	413024.00	6047216.00						1		1
1998T-73	Till	411549.00	6043862.00				1				1
1998T-79	Till	432599.00	6044519.00				2		1		3
1998T-83	Till	431374.00	6041096.00				1				1
1998T-85	Till	439153.13	6044766.50							1	1
1998T-94	Till	413909.00	6049263.00		1		1				2
1998T-95	Till	407798.00	6049007.00		1						1
1998T-97	Till	418140.00	6045082.00				1				1
1998T-101	Till	432256.00	6031840.50						1		1
1998T-104	Till	423848.47	6036518.50				1				1
1998T-110	Till	424600.44	6036265.50							1	1
1998T-112	Till	422413.50	6036539.50				1				1
1998T-113	Till	419846.59	6036918.50						1		1
1998T-114	Till	419177.66	6038148.50				2				2
1998T-116	Till	417811.72	6039129.50						1		1
1998T-118	Till	426929.28	6034129.50							1	1
1998T-119	Till	425480.31	6033803.50				1		1		2
1998T-120	Till	423790.44	6035660.50			1					1
1998T-122	Till	408163.00	6044404.00		1						1
1998T-123	Till	410744.00	6043110.00						1	1	2
1998T-127	Till	385444.00	6022763.00				1				1
1998T-128	Till	385814.00	6024219.00		1		1				2
1998T-131	Glaciofluvial	410227.28	6012701.50				1				1
1998T-139	Till	402538.53	6013989.50				1				1
1998T-146	Till	392335.00	6021175.00				1				1
1998T-153	Till	394104.00	6017050.00				2		1		3
1998T-154	Till	406616.34	6011560.50	1							1
1998T-156	Till	404389.38	6010246.50		1						1
1998T-160	Till	390377.00	6020623.00				1				1
1998T-163	Till	388677.00	6018912.00				7				7
1998T-164	Till	386509.00	6018460.00						1		1
1998T-166	Till	385391.00	6021255.00						1		1
1998T-167	Glaciofluvial	384775.00	6020830.00				3				3
1998T-168	Till	389115.00	6015922.00						1		1
1998T-172	Till	385394.00	6015986.00				2				2
1998T-174	Till	394375.00	6012910.00				1				1
1998T-175	Till	391283.00	6014472.00			1					1
1998T-180	Till	324945.91	6041004.00				1		2		3
1998T-181	Till	326531.88	6040989.00				1		2		3
1998T-184	Till	326621.81	6038449.00		2		1		1		4
1998T-187	Glaciofluvial	336615.72	6041557.00						1		1
1998T-190	Till	346618.44	6039718.00				1				1
1998T-191	Till	348726.41	6040743.00	1					1		2
1998T-192	Till	347772.47	6041683.00						2	2	4
1998T-193	Till	345860.50	6041687.00				1		1		2
1998T-194	Till	355771.22	6040295.50		1						1
1998T-197	Till	344483.53	6041202.00				1				1
1998T-200	Till	341465.56	6040134.00						2		2
1998T-206	Till	338357.66	6040821.00						1		1
1998T-207	Till	340633.63	6041136.00				1				1
1998T-208	Till	339675.63	6041192.00				2		1		3
1999T-2	Till	379928.11	6087059.58						1		1
1999T-5	Till	386340.97	6060776.00				3		1		4
1999T-10	Till	380814.98	6083990.92	1			1				2
1999T-12	Till	384139.45	6089907.45						3		3
1999T-13	Till	385120.09	6089836.36		1				1		2
1999T-14	Till	386060.67	6089790.62						1		1
1999T-15	Till	385609.68	6088356.80						2		2
1999T-18	Till	384402.98	6085799.86	1		1			4		6
1999T-19	Till	383518.94	6085591.65				1		1		2
1999T-26	Till	389273.35	6089551.83						2		2
1999T-27	Till	388381.58	6088845.50						2		2
1999T-29	Till	390765.20	6089215.18	1							1
1999T-31	Till	387776.64	6087871.04						2		2
1999T-32	Till	389281.25	6087309.72				1				1
1999T-36	Till	390299.61	6087715.51				2				2
1999T-39	Till	392898.97	6086971.53						2		2
1999T-40	Till	392559.91	6086340.04				1		1		2
1999T-44	Till	389261.00	6083667.72				1				1
1999T-46	Till	385883.41	6083393.71						4		4
1999T-48	Beach	383904.64	6082648.05		3	1					4
1999T-50	Till	387427.39	6090166.15						1		1
1999T-51	Till	385816.88	6087616.81			1					1

Sample Site	Sediment	UTM		Ti Cr-Pyrope	G9	G10	Cr-Spinel	Diamond Inclusion Cr-Spinel	Mg-Ilmenite	Cr-Diopside	Total KIM
		Easting	Northing								
1999T-53	Till	381611.17	6087984.39	1					2		3
1999T-54	Till	380446.70	6088630.40						1		1
1999T-63	Till	371851.38	6084985.15		1						1
1999T-65	Till	371421.23	6083690.52						2		2
1999T-66	Till	370239.75	6083375.40		2				1		3
1999T-67	Till	369512.90	6082951.85	1							1
1999T-68	Till	378482.32	6086547.36				1				1
1999T-70	Till	377176.25	6084802.55						1		1
1999T-71	Till	375594.28	6084702.04			1			2		3
1999T-73	Till	370656.16	6087109.32	1							1
1999T-75	Till	367566.14	6083452.59				2		2		4
1999T-76	Till	366875.73	6082011.38				1				1
1999T-77	Till	366237.10	6081599.59				1				1
1999T-80	Till	371536.33	6081711.47		1				2		3
1999T-83	Till	372026.99	6090288.56			1	2				3
1999T-84	Till	370517.90	6089778.24		1		4				5
1999T-89	Till	359762.87	6089860.45						3		3
1999T-90	Till	360419.16	6090713.89						1		1
1999T-91	Till	367854.62	6089411.77						1		1
1999T-93	Till	360817.18	6089935.46						1		1
1999T-94	Till	361334.61	6088793.40		1		1		2		4
1999T-97	Till	361670.11	6088011.47						3		3
1999T-100	Beach	365660.55	6089907.35	2					1		3
1999T-101	Beach	364004.46	6090265.61				1		2		3
1999T-102	Till	365042.73	6085719.91				2		1		3
1999T-104	Till	365252.32	6088140.42				29		1		30
1999T-105	Till	369243.39	6088065.28						1		1
1999T-109	Till	368585.13	6084340.09				2		1		3
1999T-111	Till	371414.93	6082844.68				1				1
1999T-112	Beach	373206.39	6082560.89		1		1		3		5
1999T-113	Till	374372.83	6082434.83				2		1		3
1999T-114	Till	375612.85	6082701.79				1				1
1999T-115	Till	376837.58	6083283.99						1		1
1999T-116	Beach	376836.61	6082259.30						2		2
1999T-118	Till	380435.24	6082526.84						1		1
1999T-123	Till	357174.69	6086097.90						2		2
1999T-124	Till	362147.22	6090729.66				1		5		6
1999T-125	Till	362574.30	6088793.60						1		1
1999T-126	Till	359632.73	6085112.70						4		4
1999T-127	Till	359088.91	6087067.02						1		1
1999T-134	Till	353845.36	6085793.03	1			2		1		4
1999T-135	Till	354883.31	6084079.64				2				2
1999T-139	Till	357564.78	6084160.24		1				1		2
1999T-140	Till	363864.01	6082169.82		1		1				2
1999T-145	Till	365012.13	6082425.90						2		2
1999T-146	Till	388300.25	6089844.48						3		3
1999T-149	Till	370525.75	6084197.53						2		2
1999T-150	Till	378340.48	6088920.71			1			3		4
1999T-151	Till	379171.14	6087918.37			1					1
1999T-152	Till	375414.93	6088856.96						1		1
1999T-154	Till	376668.36	6087121.26				2				2
1999T-155	Till	375877.60	6086516.58						3		3
1999T-157	Till	372027.71	6087027.04		1						1
1999T-201	Till	371334.99	6079065.23						2		2
1999T-202	Till	370612.18	6078749.88						3		3
1999T-204	Till	368745.75	6078704.52						1		1
1999T-205	Till	367736.72	6078107.25						2		2
1999T-206	Till	366185.42	6077629.58						1		1
1999T-207	Till	370205.14	6080422.95						2		2
1999T-208	Till	365599.84	6076900.47						1		1
1999T-212	Till	367569.80	6080402.33		1		1				2
1999T-213	Till	365183.13	6079542.10				3				3
1999T-214	Till	360603.87	6076390.98						1		1
1999T-221	Till	360246.41	6081552.52	1							1
1999T-223	Till	355505.67	6083205.01				1		1		2
1999T-225	Till	350702.40	6083206.61		2						2
1999T-230	Till	355405.44	6076684.24	1							1
1999T-234	Till	352085.67	6071913.45				1				1
1999T-235	Till	352971.33	6071021.91						1		1
1999T-238	Till	372452.18	6069244.38						2		2
1999T-243	Till	373883.08	6066058.33						1		1
1999T-245	Till	373013.86	6074903.92						4		4
1999T-246	Till	375209.93	6072610.07						1		1
1999T-248	Till	363998.87	6080166.06							1	1
1999T-249	Till	366434.90	6080165.02						1		1
1999T-250	Till	365625.09	6080983.27						1		1
1999T-252	Till	370212.70	6077226.07						1		1
1999T-253	Till	369727.62	6076391.19				2		1		3

Sample Site	Sediment	UTM		Ti Cr-Pyrope	G9	G10	Cr-Spinel	Diamond Inclusion Cr-Spinel	Mg-Ilmenite	Cr-Diopside	Total KIM
		Easting	Northing								
1999T-254	Beach	369294.01	6075027.52	1	2						3
1999T-257	Beach	370578.92	6075052.05				5		3		8
1999T-261	Till	360063.93	6069315.74				3		2		5
1999T-262	Till	355969.59	6070935.17		1						1
1999T-264	Till	360989.77	6069149.40						2		2
1999T-265	Till	361329.67	6072980.83						1		1
1999T-266	Till	363559.03	6071022.97				1				1
1999T-267	Till	377020.28	6069882.33				1		1		2
1999T-269	Till	376364.81	6071760.41				1				1
1999T-271	Till	383858.83	6067703.50		1				1		2
1999T-274	Till	382955.22	6071800.72				1				1
1999T-276	Till	385148.66	6077248.38						1		1
1999T-277	Till	386690.16	6081682.14				3				3
1999T-279	Till	376310.70	6077007.87			1			2		3
1999T-281	Till	379124.40	6067728.11				1				1
1999T-284	Till	383840.14	6075866.88						1		1
1999T-289	Till	384447.42	6070035.32				1				1
1999T-292	Till	372658.22	6079359.51						2		2
1999T-293	Till	373332.21	6078856.12						1		1
1999T-294	Till	374312.89	6078921.40				3		2		5
1999T-295	Till	375182.62	6078624.03	1			1				2
1999T-298	Till	377794.68	6079094.31		1				1		2
1999T-300	Till	383601.49	6081754.27				1		1		2
1999T-301	Till	382264.75	6081807.41		1		1		1		3
1999T-302	Till	381825.16	6080640.92						1		1
1999T-304	Till	379828.87	6079816.74						2		2
1999T-305	Till	373257.01	6080611.99						1		1
1999T-306	Till	374075.08	6080290.59						1		1
1999T-308	Till	378593.33	6079122.68						1		1
1999T-310	Till	378075.60	6081454.42				1		2		3
1999T-315	Till	379424.91	6076667.36				1				1
1999T-319	Till	377992.28	6071532.08						1		1
1999T-320	Till	378032.77	6073502.62							1	1
1999T-326	Till	367010.80	6076322.95				2		1		3
1999T-327	Till	365544.89	6075097.76		2						2
1999T-329	Till	373524.62	6072776.30						2		2
1999T-332	Till	371343.79	6071847.26				2				2
1999T-334	Till	353630.41	6074080.73							1	1
1999T-335	Till	354026.13	6072263.97						1		1
1999T-338	Till	358097.38	6073183.12	1	1		2		1		5
1999T-339	Glaciofluvial	358101.16	6077722.60				1				1
1999T-341	Till	363366.15	6079087.77		2						2
1999T-344	Till	364266.45	6076224.84				1				1
1999T-347	Till	390123.06	6073013.81		1				1		2
1999T-349	Till	394290.85	6073197.89		1		4				5
1999T-350	Till	381237.22	6069551.39				1				1
2000T-1	Till	376811.59	6095036.00						1		1
2000T-12	Till	386406.75	6094751.50				1				1
2000T-14	Till	384536.25	6095146.50						1		1
2000T-15	Till	385545.63	6095757.00				4		1		5
2000T-16	Till	389243.59	6093479.00				1				1
2000T-17	Till	388099.72	6092595.00				1		2		3
2000T-19	Beach	415121.31	6114549.00						1		1
2000T-20	Beach	409717.81	6111834.50		1						1
2000T-21	Beach	411487.41	6115553.50	1	2		63		12		78
2000T-22	Beach	408615.97	6114290.50	1	3		1				5
2000T-26	Till	386632.31	6093907.50				1				1
2000T-27	Till	387695.53	6094386.00				1		1		2
2000T-28	Till	392562.69	6091566.00				3				3
2000T-30	Till	387156.56	6099410.50		1						1
2000T-32	Beach	386554.50	6097484.00	5	14	1	12		18		50
2000T-35	Till	386267.97	6101746.50		1		1	1			3
2000T-36	Till	385510.63	6100612.00				1		1		2
2000T-37	Till	394285.81	6088654.00			1					1
2000T-38	Till	394987.06	6089686.50				1				1
2000T-43	Till	399444.06	6096834.00				1		1		2
2000T-44	Till	396369.22	6096019.00						2		2
2000T-49	Till	396828.66	6100814.00				1				1
2000T-51	Till	393755.47	6100100.50						1		1
2000T-52	Till	400768.63	6096955.50				1				1
2000T-54	Till	402068.50	6097093.50						1		1
2000T-56	Till	397265.06	6103193.00		1				2		3
2000T-58	Till	395716.94	6102027.50				1				1
2000T-60	Till	395773.38	6101007.00				1				1
2000T-61	Till	392900.03	6100991.00		1		1				2
2000T-66	Till	394714.06	6096812.00				1				1
2000T-68	Beach	399084.13	6101491.00		1		10		7		18
2000T-69	Till	398290.31	6099503.50				2				2

Sample Site	Sediment	UTM		Ti Cr-Pyrope	G9	G10	Cr-Spinel	Diamond Inclusion Cr-Spinel	Mg-Ilmenite	Cr-Diopside	Total KIM
		Easting	Northing								
2000T-73	Till	402783.03	6105930.50				1		1		2
2000T-83	Till	408701.53	6106066.50				1				1
2000T-85	Till	402062.69	6103060.50						1		1
2000T-90	Till	391117.84	6091481.50		1		2		1		4
2000T-92	Beach	391102.75	6092944.50	1	2	1			1		5
2000T-93	Till	389781.91	6092662.00			1					1
2000T-94	Till	389081.13*	6092532.00			1	1		1		3
2000T-96	Till	386122.09	6093126.50						1		1
2000T-99	Till	391068.38	6094189.00			1					1
2000T-100	Till	390771.78	6095004.00						1		1
2000T-101	Till	393612.16	6097352.00						1		1
2000T-102	Till	392650.41	6096653.00				3		2		5
2000T-103	Till	391819.38	6096113.00	2	5		4		8	1	20
2000T-104	Till	390131.41	6099288.50	1			1				2
2000T-105	Beach	390189.03	6100414.50		1						1
2000T-107	Till	388936.94	6101455.50				2				2
2000T-109	Till	386132.81	6096368.00				1		1		2
2000T-112	Till	392762.47	6099792.50				1		1		2
2000T-118	Till	391438.41	6097052.00		1						1
2000T-120	Beach	388195.31	6096944.00		2						2
2000T-122	Till	390079.06	6098127.00				1				1
2000T-123	Beach	391854.41	6098769.00		1		2				3
2000T-125	Till	388349.84	6102123.50				1				1
2000T-127	Till	390127.16	6103821.50				2				2
2000T-129	Till	391955.44	6103866.00	1					2		3
2000T-133	Beach	395632.94	6104304.50				2				2
2000T-135	Till	398475.94	6100648.50				1				1
2000T-136	Till	397807.00	6101720.00				1				1
2000T-137	Till	398893.06	6102443.50		1						1
2000T-139	Till	401013.91	6102969.00	1			1				2
2000T-140	Till	396582.16	6102405.00				1				1
2000T-144	Beach	399564.03	6104786.00			1					1
2000T-150	Beach	402269.28	6106540.00	1	3	2	11		3		20
2000T-153	Till	403857.41	6108381.00				1				1
2000T-155	Till	405182.97	6109662.50				1				1
2000T-156	Beach	402443.84	6108400.50		1		1				2
2000T-158	Beach	401627.13	6107942.50		1					1	2
2000T-159	Till	401165.03	6107954.50				1				1
2000T-160	Till	399579.41	6108137.00		1		1				2
2000T-161	Till	409503.97	6110965.50	1			1				2
2000T-163	Beach	407938.84	6110567.50						1		1
2000T-166	Till	406114.34	6111079.00		2	1	2		2		7
2000T-167	Till	404689.56	6110332.00				1				1
2000T-172	Beach	387049.19	6098700.50						1		1
2000T-175	Beach	388265.75	6102950.00	1	3		4		6		14
2000T-176	Beach	387771.91	6102468.50				2		2	1	5
2000T-177	Till	386911.66	6102253.00	1			3				4
2000T-178	Till	383961.50	6096975.00				1				1
2000T-180	Till	383572.19	6099390.00			1					1
2000T-182	Till	385706.34	6102721.00				1		1		2
2000T-201	Till	376329.06	6099848.50				2		1		3
2000T-203	Till	377759.09	6103205.50				1				1
2000T-204	Till	379288.84	6099045.50				1		2		3
2000T-205	Till	377938.81	6100685.00						2		2
2000T-206	Till	376715.94	6102116.00				1				1
2000T-209	Till	377791.78	6097599.50						2		2
2000T-210	Till	378771.63	6097898.50				1				1
2000T-211	Till	386750.13	6103960.50						1		1
2000T-214	Till	380459.88	6105602.00				1		1		2
2000T-215	Till	377864.75	6104760.00				1				1
2000T-216	Till	383573.22	6109146.50				1				1
2000T-217	Till	390236.81	6110548.50						1		1
2000T-218	Till	389764.00	6111144.00				1		1		2
2000T-219	Till	390098.19	6111950.00				1				1
2000T-220	Till	381027.66	6110614.00						3		3
2000T-222	Till	379349.53	6108925.00				1		1		2
2000T-225	Till	379465.34	6111668.50						1		1
2000T-228	Till	386397.94	6109043.50				2				2
2000T-231	Till	382258.53	6113338.50				1				1
2000T-234	Till	392301.84	6112182.50		1						1
2000T-241	Till	382370.50	6117084.50						1		1
2000T-242	Till	381725.97	6118149.50				3		1		4
2000T-246	Till	389829.19	6119804.50						1		1
2000T-248	Till	387894.78	6122519.00				1				1
2000T-249	Till	386461.28	6122755.00				1				1
2000T-252	Till	390174.03	6112731.00				4		2		6
2000T-253	Till	395615.16	6113826.50				2		1		3
2000T-254	Till	396711.59	6114399.00				1				1

Sample Site	Sediment	UTM		Ti Cr-Pyrope	G9	G10	Cr-Spinel	Diamond Inclusion Cr-Spinel	Mg-Ilmenite	Cr-Diopside	Total KIM
		Easting	Northing								
2000T-255	Till	398099.66	6117886.50				3				3
2000T-256	Till	403018.75	6120422.00				1				1
2000T-257	Till	403015.22	6118430.00						1		1
2000T-258	Till	401426.78	6118891.00				1				1
2000T-259	Till	394433.78	6120179.50				1		1		2
2000T-260	Till	392810.16	6120480.50				1				1
2000T-261	Till	395856.13	6121526.00				1				1
2000T-262	Till	382201.84	6113313.00	1							1
2000T-264	Till	380485.66	6115711.50		1						1
2000T-267	Till	375915.06	6116255.00						1		1
2000T-268	Till	378764.00	6115647.00						1		1
2000T-273	Till	379539.09	6113473.00		1				1		2
2000T-274	Till	378643.41	6113610.00						2		2
2000T-277	Till	376521.69	6112449.50		1		1				2
2000T-278	Till	375920.22	6119958.50				1		1		2
2000T-280	Till	377783.25	6117499.50	1	1		1		1		4
2000T-282	Till	374344.63	6110827.50						2		2
2000T-283	Till	372750.41	6110253.50						1		1
2000T-284	Till	371076.44	6112518.50		1		1				2
2000T-289	Till	377610.78	6110969.00				2				2
2000T-290	Till	382417.03	6114793.00			1	3				4
2000T-291	Till	383696.41	6115010.50				1				1
2000T-294	Till	388431.34	6117653.00						1		1
2000T-295	Till	390772.88	6115942.50				2		2		4
2000T-299	Till	389554.72	6118795.50				1				1
2000T-303	Till	399031.28	6117196.50				1				1
2000T-305	Till	394394.06	6121113.00						1		1
2000T-310	Till	386862.44	6121457.50				1				1
2000T-312	Till	401764.13	6124868.00				1				1
2000T-316	Till	393563.53	6115607.50						1		1
2000T-317	Till	395119.63	6116693.00						2		2
2000T-319	Till	392888.03	6114085.00						1		1
2000T-320	Till	393461.94	6117975.00			1	1				2
2000T-324	Till	405468.59	6118863.50		1						1
2000T-326	Till	403152.28	6115757.50				2				2
2000T-327	Till	401644.22	6117724.00				3		1		4
2000T-329	Till	399739.69	6116073.00		1				1		2
2000T-332	Till	388402.53	6110279.50				1				1
2000T-336	Till	386319.13	6111064.50				1				1
2000T-337	Till	382498.38	6109258.00		1						1
2000T-340	Till	378880.78	6116494.50				1				1
2000T-341	Till	378317.00	6120022.00				2				2
2000T-342	Till	380948.22	6114359.50				1		3		4
2000T-344	Till	374923.78	6117839.50				2		1		3
2000T-345	Till	373345.66	6119686.50						1		1
2000T-346	Till	370761.88	6118036.00				1		1		2
2000T-347	Till	372443.16	6117141.00		1		1				2
2000T-348	Till	370122.25	6116112.50				1		1		2
2000T-352	Till	394480.94	6124486.00						1		1
2000T-354	Till	392236.41	6123705.50				3		1		4
2000T-356	Till	378960.09	6100575.00		2						2
2000T-357	Till	382146.16	6101546.50						1		1
2000T-358	Till	384700.47	6100007.50						1		1
2000T-361	Till	376265.22	6096775.50				1				1
2000T-362	Till	380254.41	6098643.00				2		1		3
2000T-364	Till	382689.63	6104796.00				1		1		2
2000T-366	Till	376100.69	6107566.50				1		1		2
2000T-367	Till	378498.88	6109643.00		1						1
2000T-368	Till	375676.59	6109114.50		2						2